


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 7-16-47 BTR				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 2OG0005608			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Wilcox Investment Company, Inc.						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-573-5955				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 2011 Little Kate Road, ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		2125 FNL 1835 FEL		SWNE	16	4.0 S	7.0 W	U		
Top of Uppermost Producing Zone		2125 FNL 1835 FEL		SWNE	16	4.0 S	7.0 W	U		
At Total Depth		2125 FNL 1835 FEL		SWNE	16	4.0 S	7.0 W	U		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1835			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 5280			<b>26. PROPOSED DEPTH</b> MD: 6776 TVD: 6776				
<b>27. ELEVATION - GROUND LEVEL</b> 6060			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-180				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
Surf	12.25	9.625	0 - 800	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	70	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
Prod	8.75	5.5	0 - 6776	17.0	P-110 LT&C	9.7	Unknown	630	2.31	11.0
							Unknown	300	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Venessa Langmacher				<b>TITLE</b> Senior Permit Analyst			<b>PHONE</b> 303 312-8172			
<b>SIGNATURE</b>				<b>DATE</b> 03/12/2012			<b>EMAIL</b> vlangmacher@billbarrettcorp.com			
<b>API NUMBER ASSIGNED</b> 43013512960000				<b>APPROVAL</b>  Permit Manager						

**BILL BARRETT CORPORATION**  
**DRILLING PLAN**

1/04/2011

**7-16-47 BTR Well Pad**

SW NE, 2125' FNL and 1835' FEL, Section 16, T4S-R7W, USB&M  
Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth - TVD</u></b>
Lower Green River*	2,936'	2,936'
Douglas Creek	3,776'	3,776'
Black Shale*	4,586'	4,586'
Castle Peak*	4,806'	4,806'
Uteland Butte*	5,181'	5,181'
Wasatch*	5,426'	5,426'
TD	6,776'	6,776'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 800'	No pressure control required
800' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>						
26"	Surface	80'	16"	65#			
12 1/4"	surface	800'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
Drilling Program  
#7-16-47 BTR  
Duchesne County, Utah

## 5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 70 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 300'
5 1/2" Production Casing	Lead: 630 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 300' Tail: 300 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 4,086'

## 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 800'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
800' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

## 7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

## 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3382 psi\* and maximum anticipated surface pressure equals approximately 1891 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation  
Drilling Program  
#7-16-47 BTR  
Duchesne County, Utah

9. **Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
  - b) Inside BOP or stab-in valve (available on rig floor)
  - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. **Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. **Drilling Schedule**

Location Construction:	November 2012
Spud:	November 2012
Duration:	15 days drilling time
	45 days completion time



# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 7-16-47 BTR

### Surface Hole Data:

Total Depth:	800'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	164.4	ft <sup>3</sup>
Lead Fill:	300'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	70
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	300'	

# SK's Tail:	210
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### Production Hole Data:

Total Depth:	6,776'
Top of Cement:	300'
Top of Tail:	4,086'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1434.5	ft <sup>3</sup>
Lead Fill:	3,786'	
Tail Volume:	1019.3	ft <sup>3</sup>
Tail Fill:	2,690'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

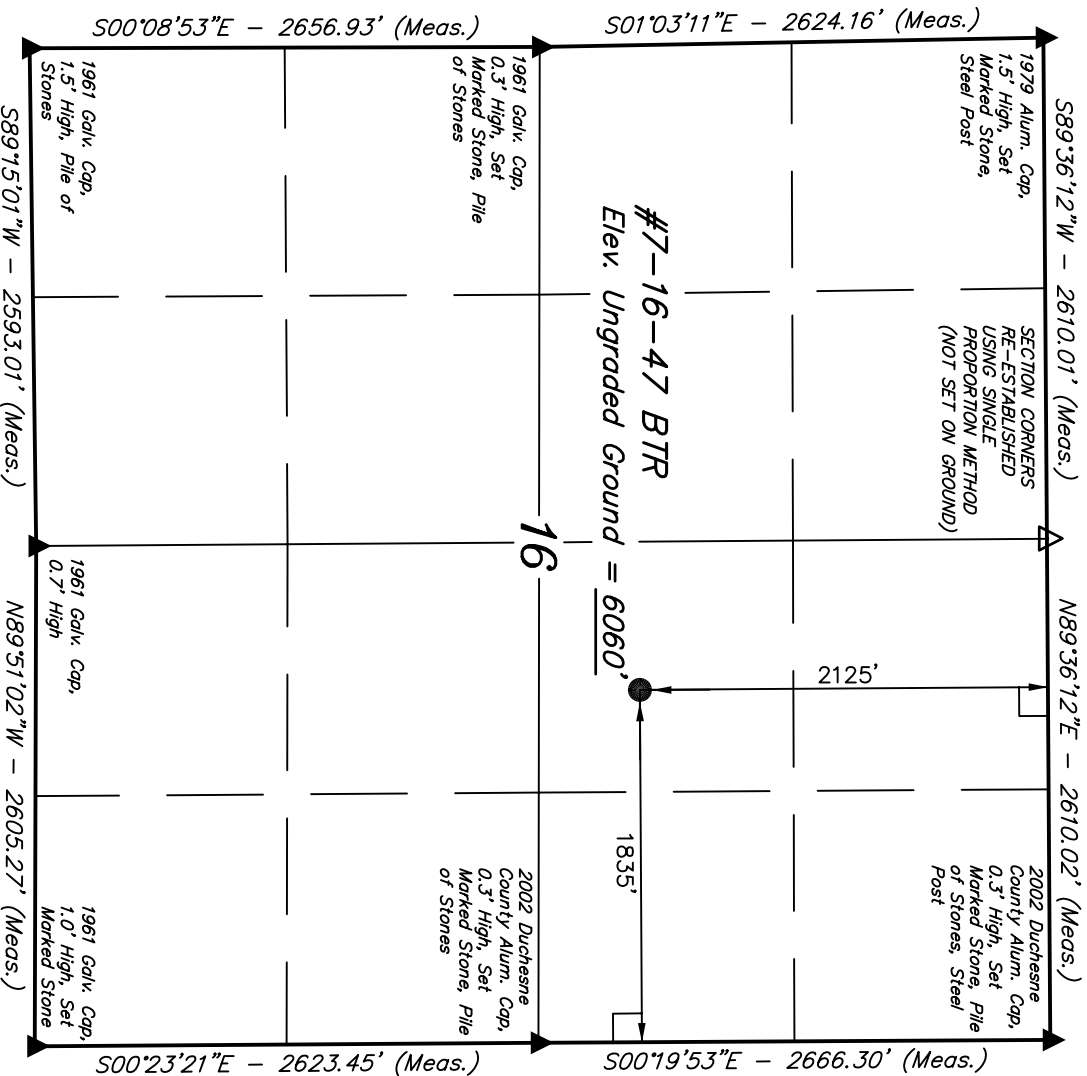
# SK's Lead:	630
# SK's Tail:	730

<b>7-16-47 BTR Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>		
<b>Lead Cement - (300' - 0')</b>			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	300'	
	Volume:	29.28	bbl
	<b>Proposed Sacks:</b>	<b>70</b>	<b>sks</b>
<b>Tail Cement - (TD - 300')</b>			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft <sup>3</sup> /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	300'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	<b>Proposed Sacks:</b>	<b>210</b>	<b>sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>		
<b>Lead Cement - (4086' - 300')</b>			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft³/sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	300'	
	Calculated Fill:	3,786'	
	Volume:	255.47	bbl
	<b>Proposed Sacks:</b>	<b>630</b>	<b>sks</b>
<b>Tail Cement - (6776' - 4086')</b>			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft³/sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	4,086'	
	Calculated Fill:	2,690'	
	Volume:	181.53	bbl
	<b>Proposed Sacks:</b>	<b>730</b>	<b>sks</b>

T4S, R7W, U.S.B.&M.



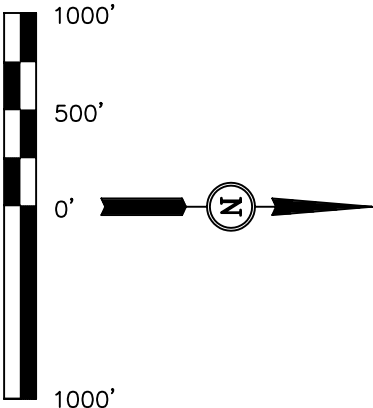
- LEGEND:**
- └─ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set On Ground)
- BASIS OF BEARINGS**
- BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
- (NAD 83)  
LATITUDE = 40°08'03.53" (40.134314)  
LONGITUDE = 110°40'38.58" (110.677383)  
(NAD 27)  
LATITUDE = 40°08'03.69" (40.134358)  
LONGITUDE = 110°40'36.01" (110.676669)

BILL BARRETT CORPORATION

Well location, #7-16-47 BTR, located as shown in the SW 1/4 NE 1/4 of Section 16, T4S, R7W, U.S.B.&M., Duchesne County, Utah.

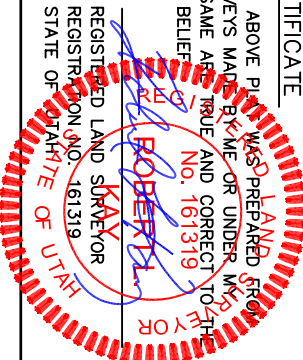
BASIS OF ELEVATION

FLAT TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 7, T4S, R8W, U.S.B.&M. TAKEN FROM THE FRUITLAND QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 8427 FEET.



CERTIFICATE

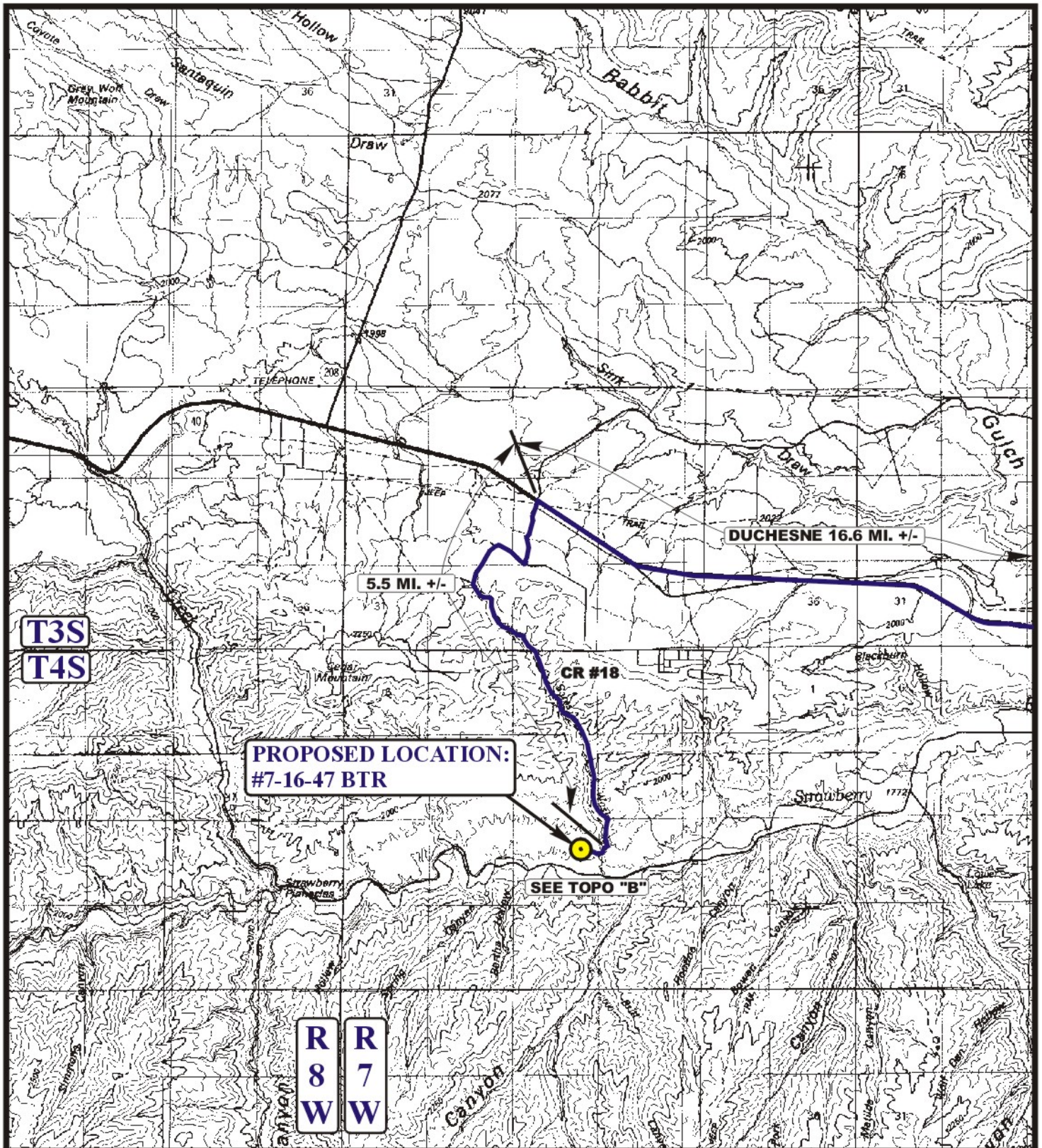
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
86 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	DATE DRAWN:
PARTY	D.S. E.D. S.L.	REFERENCES	
WEATHER	HOT	FILE	BILL BARRETT CORPORATION





**LEGEND:**

 PROPOSED LOCATION

**BILL BARRETT CORPORATION**

**#7-16-47 BTR**

**SECTION 16, T4S, R7W, U.S.B.&M.**

**2125' FNL 1835' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

**11 10 08**  
 MONTH DAY YEAR

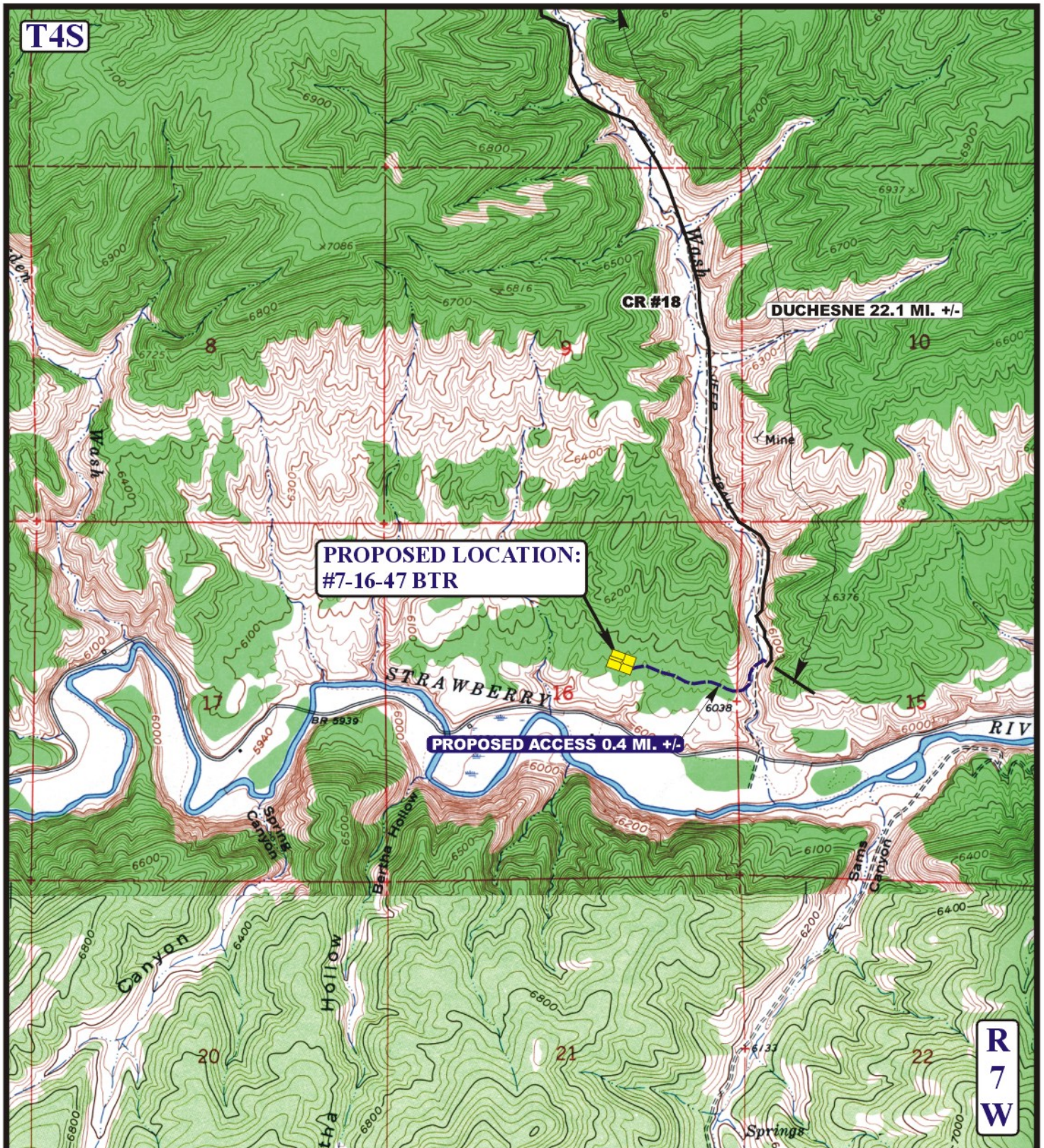
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DRAWN BY: J.H.

REVISED: 00-00-00







**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



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 85 South 200 East Vernal, Utah 84078  
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**BILL BARRETT CORPORATION**

**#7-16-47 BTR**  
**SECTION 16, T4S, R7W, U.S.B.&M.**  
**2125' FNL 1835' FEL**

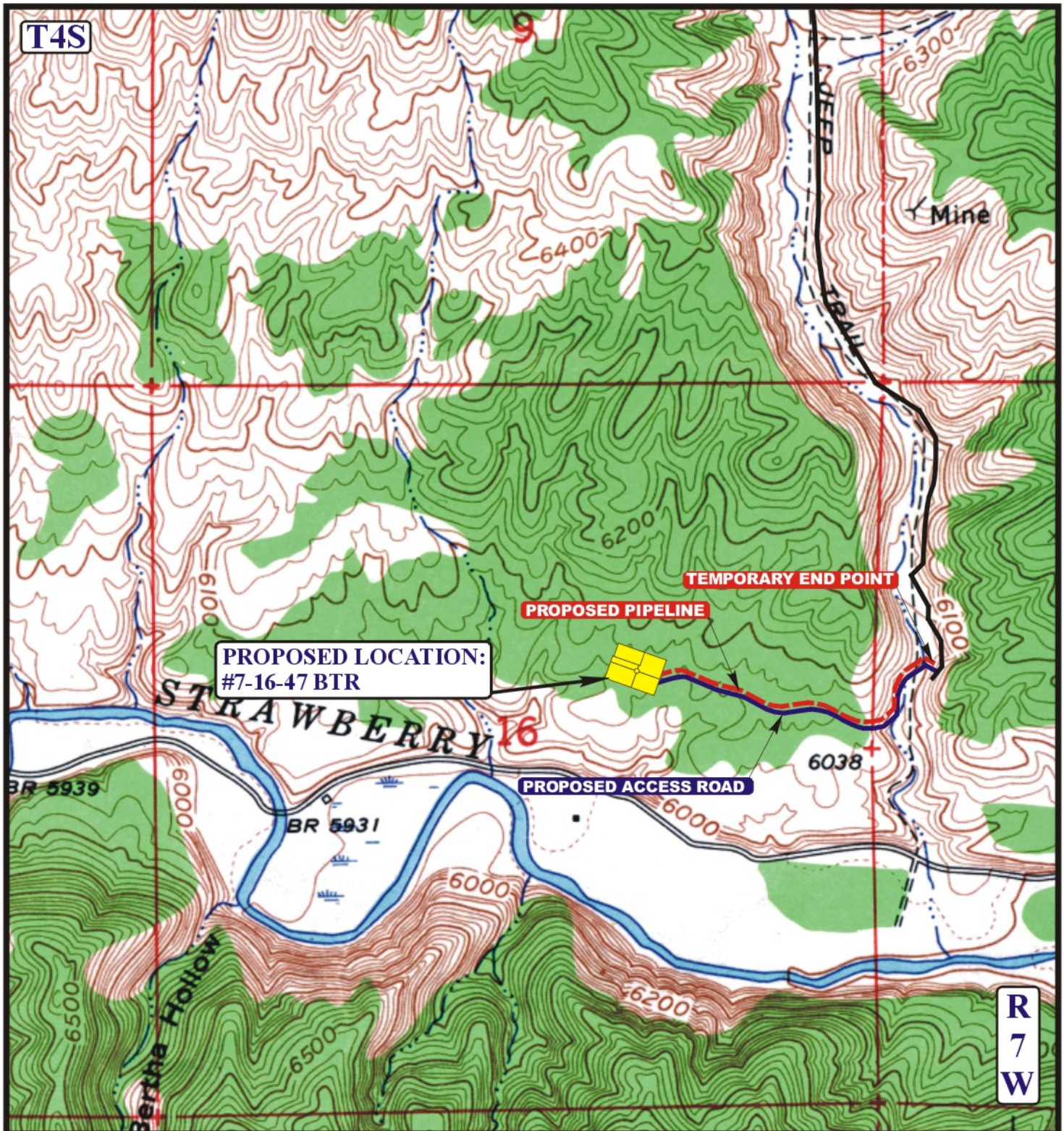
**TOPOGRAPHIC  
MAP**

**11 10 08**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 00-00-00

**B  
TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,322' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- - - - - EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



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**BILL BARRETT CORPORATION**

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**SECTION 16, T4S, R7W, U.S.B.&M.**  
**2125' FNL 1835' FEL**

**TOPOGRAPHIC**  
**MAP**

**11 10 08**  
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: J.H.

REVISED: 00-00-00

**D**  
**TOPO**



**OIL AND GAS WELL SURFACE DAMAGE AND RIGHT-OF-WAY  
SETTLEMENT AGREEMENT**

This Agreement, made and entered into this 11th day of January, 2012 (the "Effective Date"), by and between Wilcox Investment Company, Inc., 2011 Little Kate Road, PO Box 1329, Park City, UT 84060-1329 (the "Surface Owner") and Bill Barrett Corporation, 1099 18<sup>th</sup> Street, Suite 2300, Denver CO 80202 ("BBC"). BBC and the Surface Owner may be individually referred to herein as a "Party," and collectively as the "Parties."

WHEREAS, BBC represents that it owns undivided interests in certain oil and gas leases covering and affecting Sections 15 and 16, Township 4 South, Range 7 West, USM, of Duchesne County, Utah (the "Leases"); and

WHEREAS, BBC also represents that the Leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the 7-16-47 BTR well at a legal drill-site location in the SW/NE, Section 16, Township 4 South, Range 7 West, USM, Duchesne County, Utah (the "Well"); and

WHEREAS, Surface Owner is the owner of all or a portion of the surface and/or subsurface relating thereto in Sections 15 and 16, Township 4 South, Range 7 West, USM, Duchesne County, Utah (the "Premises"); and

The Surface Owner hereby releases BBC, its agents, employees, licensees, permittees, successors and assigns as to its use and occupancy of the Premises and as to all damages or injuries to equipment, crops, timber, fences and other improvements located on the Premises for which BBC remitted payment to the Surface Owner for signing this Agreement. The foregoing notwithstanding, BBC shall be and remain responsible for any and all other actual damages which are a direct result of BBC's negligence or willful misconduct occurring on the Premises to: (i) persons, (ii) livestock of the Surface Owner, (iii) contamination of land, waterways, and groundwater of the Surface Owner, (iv) equipment of the Surface Owner for which Surface Owner has not been previously compensated by BBC, and (v) other real and personal property of the Surface Owner.

BBC shall reasonably maintain the Premises in order to prevent unnecessary deterioration of the surface and to keep the Premises in an uncluttered condition.

Upon completion of the oil and gas operations contemplated hereunder, BBC shall reclaim the Premises as required by law and this Agreement. Any topsoil which is removed by BBC on the Premises will be stockpiled at the drillsite of the Well and will be redistributed on the drillsite upon the completion of all operations, and the land affected thereby reseeded with, alfalfa, grasses and/or native grasses by BBC, if requested and as identified by the Surface Owner. All mud pits will be filled and material and debris will be removed from the drillsite of

the Well upon completion of operations. BBC shall remove from the Premises, either at any time during the term hereof or within the latter of six (6) months after (i) the plugging and abandonment of the Well or (ii) abandonment of the Pipelines, any or all structures, pipes, equipment and other facilities placed on, over, under, through and across any of the Premises, excepting fences, culverts, and other land improvements required by the Surface Owner. Title to said structures, pipes, equipment and other facilities shall be vested in BBC at all times, and shall in no event be considered or construed as fixtures attaching to the Premises.

BBC shall, if and as appropriate, fence the Well's location and install a cattle guard where needed in order to keep Surface Owner's cattle from entering on the Well's location.

BBC shall maintain all roads used or authorized pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

BBC shall repair any fences and gates damaged by it during the course of its operations on the Premises.

Except as the same may interfere with BBC's rights under this Agreement, Surface Owner and, as appropriate, its employees, agents, successors, heirs and assigns shall have full access and use of the Premises.

This Agreement shall inure to the benefit of the Parties hereto, their heirs, successors and assigns and shall be a burden running with the land comprising the Premises.

This Agreement shall commence from the Effective Date, and shall thereafter remain in force and effect until such time as BBC shall no longer utilize the Premises for any of the purposes authorized by this Agreement.

This Agreement represents a valid and binding agreement between BBC and the Surface Owner, sets forth the full and complete understanding between BBC and the Surface Owner with respect to the subject matter hereof, and supersedes and renders null and void any other agreements between the Parties with regard to the subject matter hereof affecting the Premises, whether oral or in writing.

The recitals set forth above are, and shall be deemed to be an integral part of this Agreement binding upon the Parties.

This Agreement may be executed in any number of counterparts, each of which shall be considered an original for all purposes and each of which shall be deemed to constitute a single agreement.

The Parties recognize and agree that the locations described on Exhibits A and B hereto may, as a result of causes other than the requirements of BBC and/or the Surface Owner, be subject to minor changes and modifications subsequent to execution of this Agreement. The Parties agree that Exhibits A and B may be altered to reflect such minor changes and that



amendment of this Agreement shall not be required to alter the contents of Exhibit A and/or B. In the event minor changes or modifications to the descriptions appearing on Exhibits A and/or B result in BBC's use of the Surface Owner's land in addition to that permitted under Exhibits A and/or B, BBC shall promptly compensate the Surface Owner for the same in accordance with the payment system previously agreed to by the Parties. As used herein, the phrase "minor changes or modifications" means any alteration of surface use and occupancy depicted on Exhibits A and B that results in BBC's additional use and occupancy of the Premises, the same not exceed one-half acre.

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the Effective Date.

SURFACE OWNER:  
Wilcox Investment Company, Inc.

By: [Signature]  
Robert J. Pinder  
Its: President  
Date: January 11, 2012

BILL BARRETT CORPORATION

By: [Signature]  
Huntington T. Walker  
Its: Senior Vice President-Land **HTK**  
Date: January 16, 2012

WITNESS FOR SURFACE OWNER:

[Signature]  
Name: IAN McDONALD  
Date: January 11, 2012

WITNESS FOR BBC:

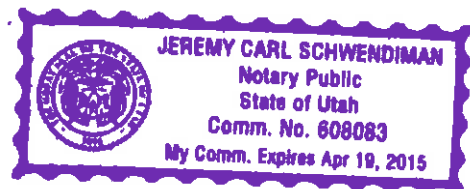
[Signature]  
Name: Chris Robinson  
Date: January 16, 2012

STATE OF UTAH                    )  
  )  
COUNTY OF SALT LAKE        )

On the 11th day of January, 2012, personally appeared before me Robert J. Pinder, as President of Wilcox Investment Company, Inc., known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed on behalf of said limited partnership.

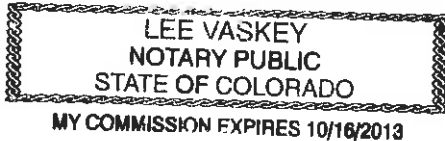
[Signature]  
Notary Public  
Residing at: SALT LAKE COUNTY

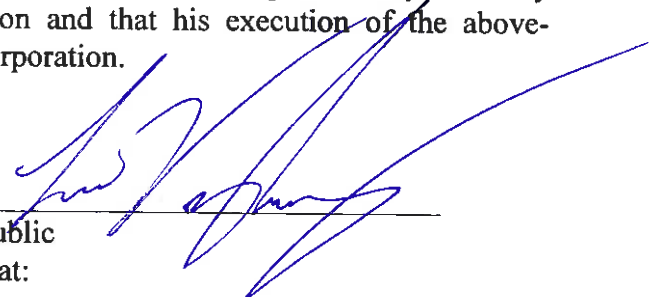
My Commission Expires: 4-19-2015



STATE OF COLORADO    )  
                                      )  
COUNTY OF DENVER    )

On the 16<sup>th</sup> day of January, 2012, personally appeared before me Huntington T. Walker, who, being by me duly sworn, did say that he is the Senior Vice-President-Land of Bill Barrett Corporation, that he signed the above-instrument on behalf of said corporation by authority granted to Huntington T. Walker by said corporation and that his execution of the above-instrument represents execution of the same by said corporation.



  
\_\_\_\_\_  
Notary Public  
Residing at:

My Commission Expires: \_\_\_\_\_

**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**7-16-47 BTR Well Pad**

SW NE, 2125' FNL and 1835' FEL, Section 16, T4S-R7W, USB&M  
Duchesne County, Utah

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The onsite inspection for this pad occurred on January 17, 2012. This is a new pad with one proposed well. Plat changes and site specific stipulations requested at the onsite are reflected within this APD and summarized below.

- 1) Pipeline activities will avoid damage to the existing 18" irrigation pipeline;
- 2) Standard 16 mil liner;
- 3) Berm required along the down-gradient side of the pad in addition to standard berming to further prevent potential spills from leaving the pad area.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well site is located approximately 22.5 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing State Highway 40 would be utilized for 16.6 miles to the existing County Road 18 that would be utilized for 5.5 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No pipeline crossing permits are required. A Duchesne County Encroachment permit has been approved.

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- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 2284 of new access road trending south is planned from the existing County Road 18 (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.

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- j. No gates or cattle guards are anticipated at this time.
  - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
  - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
  - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
    - i. water wells none
    - ii. injection wells none
    - iii. disposal wells none
    - iv. drilling wells none
    - v. temp shut-in wells none
    - vi. producing wells none
    - vii. abandoned wells one
4. Location of Production Facilities
- a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
  - b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.
  - c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single



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tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 2322 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending east to the existing pipeline corridor at the County Road. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Fee surface with surface use agreements in place.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.

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 Duchesne County, UT

1. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River
43-2505, Appln t37379	McKinnon Ranch Properties, LC	1.3 cfs	4/28/2011	Pumped from Sec, 17, T4SR6W	Water Canyon Lake
43-12415, Change A17215a	Peatross Ranch, LLC	1.89 cfs	09/2011	Dugout Pond	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.

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- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

<b>Disposal Facilities</b>
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley
7. Western Water Solutions – Sand Pass Ranch, Sections 9 and 10, T4S-R1W, permit #WD-01-2011

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- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels

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is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. Powerline is not being applied for at this time.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 375 feet x 265 feet with an inboard reserve pit size of 200 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.



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- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the seed mix specified by the surface owner.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the mix prescribed by

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the surface owner and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Wilcox Investment Company, Inc.; 2011 Little Kate Road, PO Box 1329; Park City, UT 84060; 801-573-5955 Bob Pinder
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 08-292 dated 12/3/2008.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.
  - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
  - Campfires or uncontained fires of any kind would be prohibited.
  - Portable generators used in the Project Area would have spark arrestors.
- d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.060	acres
Access	2284 feet	1.573	acres
Pipeline	2322 feet	1.599	acres

**Total            6.232    acres**

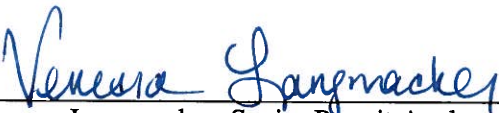
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Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

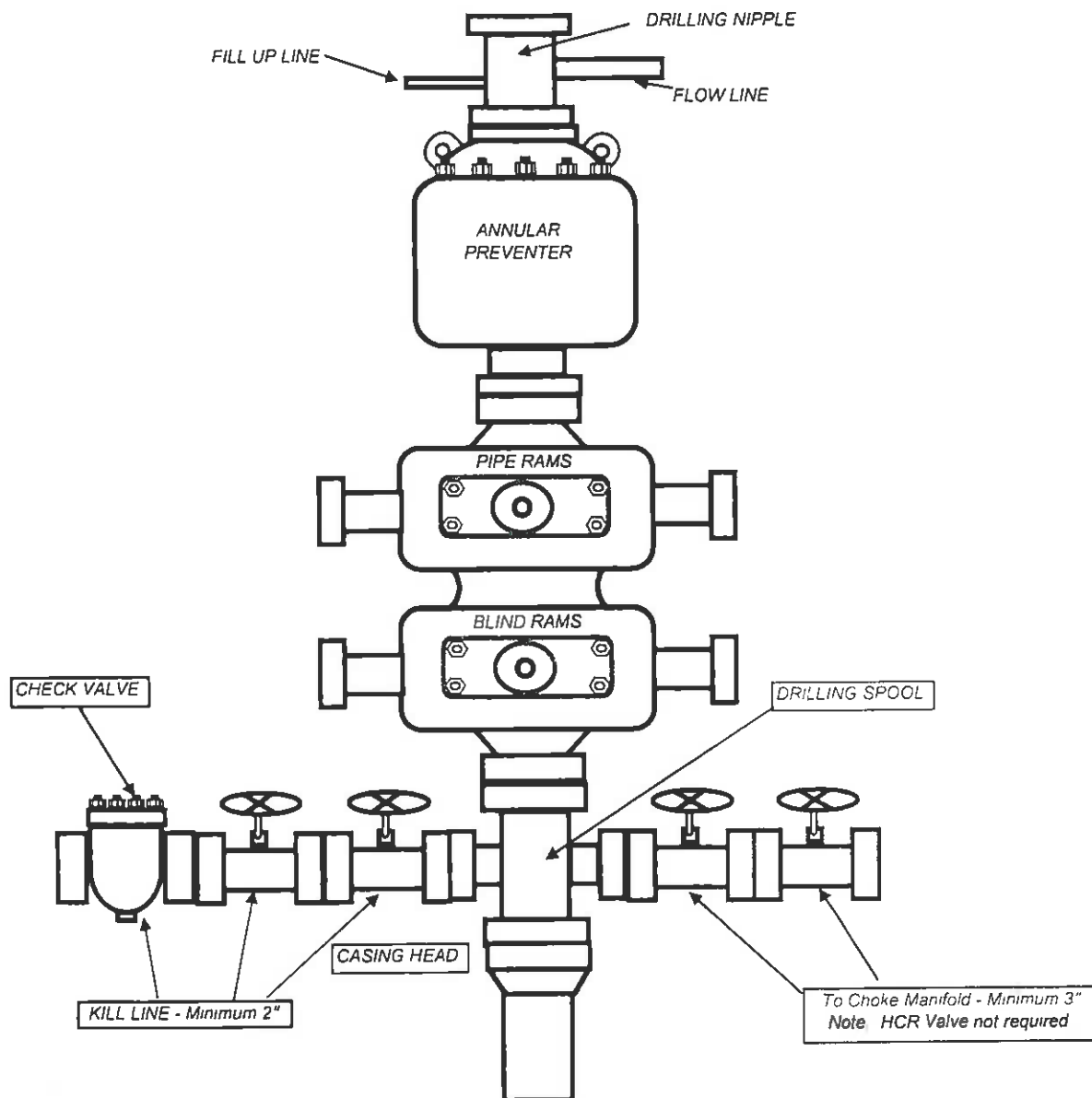
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	<u>12<sup>th</sup></u> day of <u>March</u> 2012
Name:	Venessa Langmacher
Position Title:	Senior Permit Analyst
Address:	1099 18 <sup>th</sup> Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8172
E-mail:	vlangmacher@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

  
\_\_\_\_\_  
Venessa Langmacher, Senior Permit Analyst

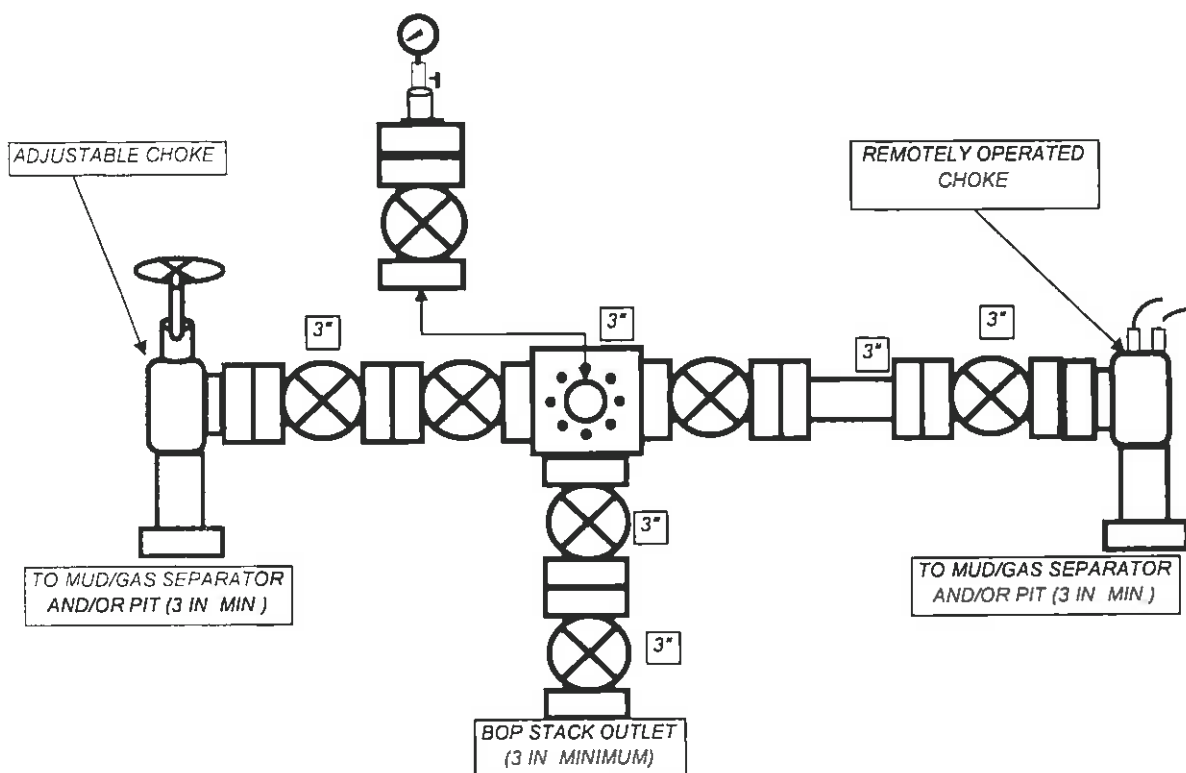
## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 5,000 p.s.i. CHOKE MANIFOLD







**BILL BARRETT CORPORATION****TYPICAL CROSS SECTIONS FOR**

#7-16-47 BTR

SECTION 16, T4S, R7W, U.S.B.&amp;M.

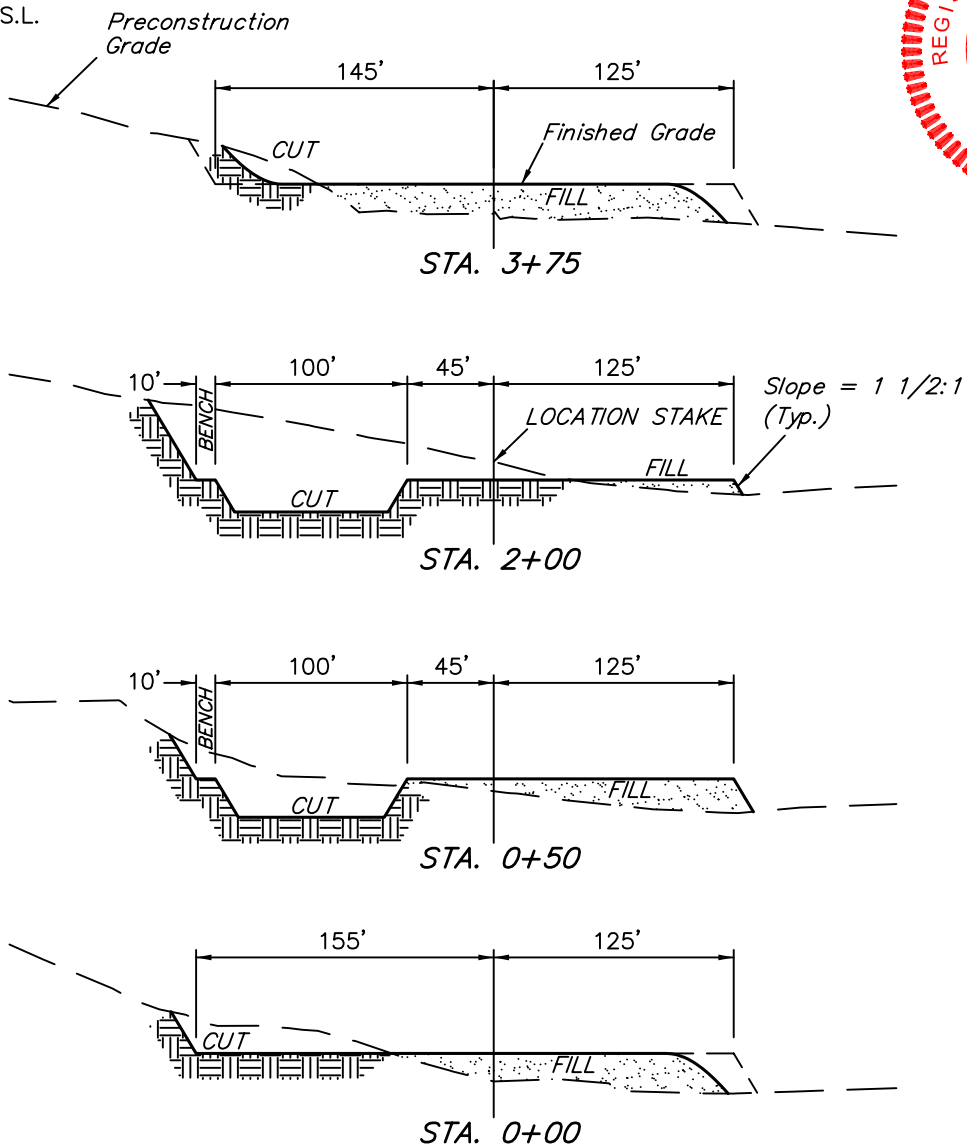
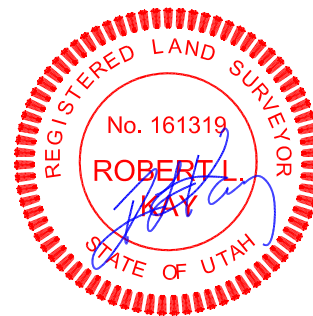
2125' FNL 1835' FEL

**FIGURE #2**

1" = 40'  
X-Section  
Scale  
1" = 100'

DATE: 11-12-08

DRAWN BY: S.L.

**NOTE:**

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area

**\* NOTE:**

FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES****CUT**

(6") Topsoil Stripping = 2,250 Cu. Yds.  
Remaining Location = 13,010 Cu. Yds.

**TOTAL CUT = 15,260 CU. YDS.**

**FILL = 10,550 CU. YDS.**

EXCESS MATERIAL = 4,710 Cu. Yds.

Topsoil & Pit Backfill = 4,710 Cu. Yds.  
(1/2 Pit Vol.)

EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED:** March 12, 2012

# BILL BARRETT CORPORATION

## INTERIM RECLAMATION PLAN FOR

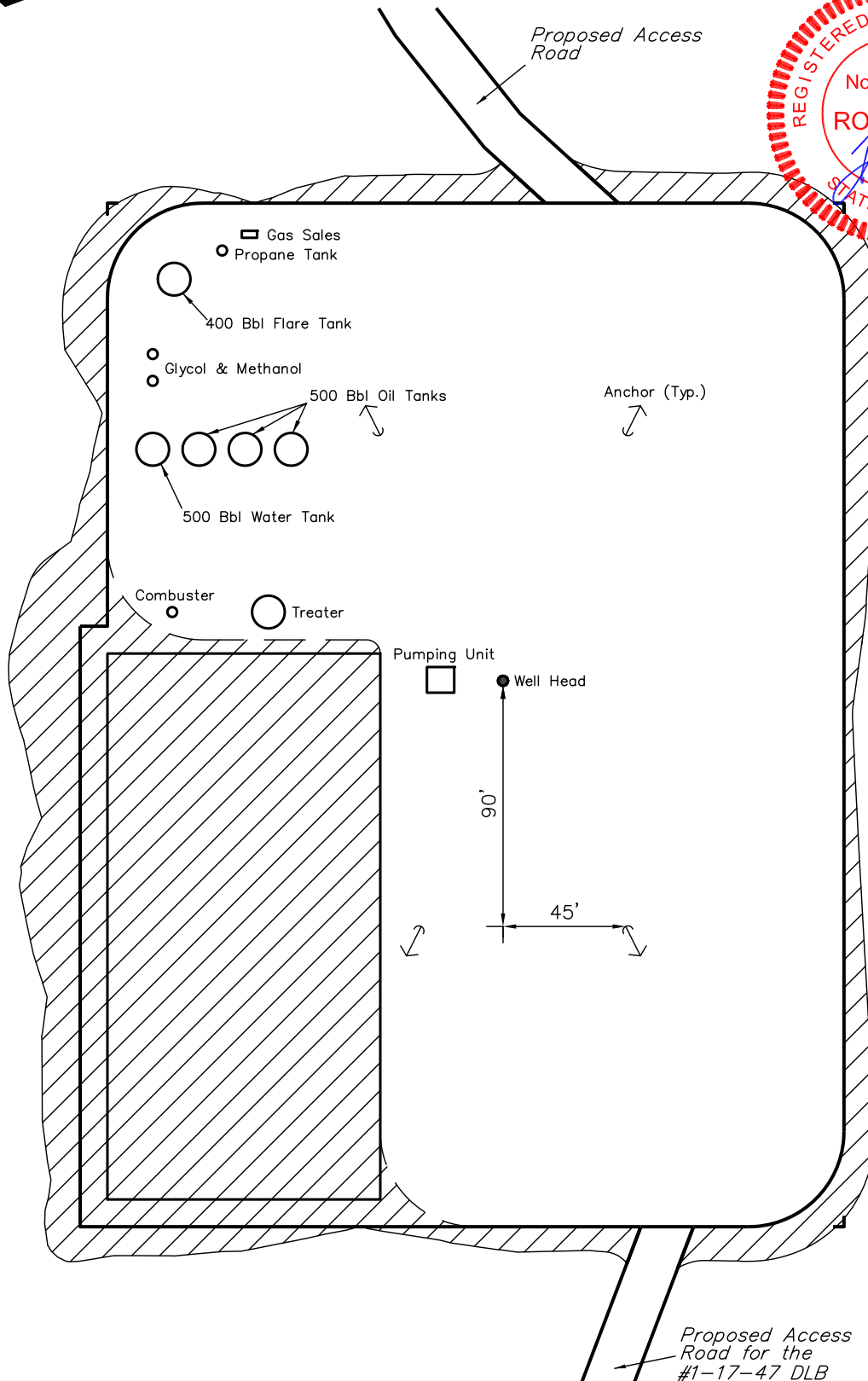
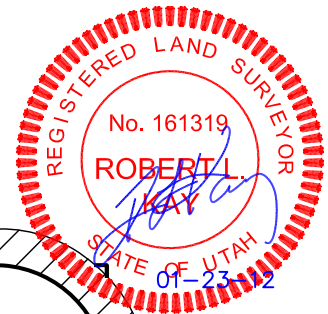
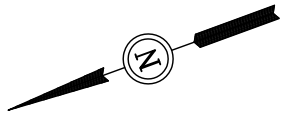
#7-16-47 BTR  
SECTION 16, T4S, R7W, U.S.B.&M.  
2125' FNL 1835' FEL

FIGURE #3

SCALE: 1" = 60'

DATE: 01-23-12

DRAWN BY: A.W.

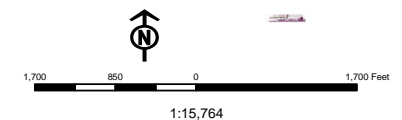
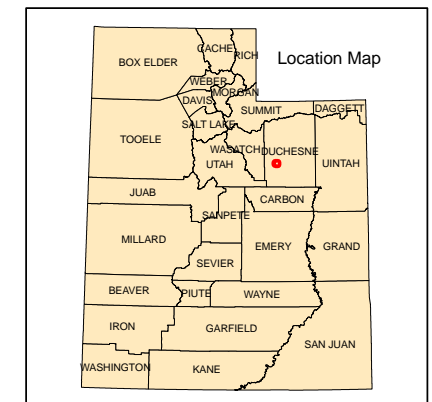


INTERIM RECLAMATION

APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.801 ACRES

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: March 12, 2012



# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** BILL BARRETT CORP  
**Well Name** 7-16-47 BTR  
**API Number** 43013512960000 **APD No** 5453 **Field/Unit** WILDCAT  
**Location: 1/4,1/4** SWNE **Sec** 16 **Tw** 4.0S **Rng** 7.0W 2125 FNL 1835 FEL  
**GPS Coord (UTM)** 527548 4442511 **Surface Owner** Wilcox Investment Company, Inc.

### **Participants**

James Hereford (BLM), Keith Hooper (CUWCD), Joe Vin (EIS), Brandon Bowthorpe (UELS), Amy Ackman (Montgomery), Kary Eldredge (BBC), Zach Garner (BBC), Jake Woodland and Curtis Turner (Turner land service)

### **Regional/Local Setting & Topography**

This location sits approximately 1/4 mile north of the Strawberry River and about 3 1/4 miles south of Hwy 40 at a point approximately 16 miles west of Duchesne, Utah. There is a wide level flood plain around the Strawberry River but this proposed location sits high above the river on a large bench running along side the river. Drainage from location is south to the river. To the north the land rises in steps through small broken canyons and draws to the Hwy 40 corridor.

### **Surface Use Plan**

**Current Surface Use**  
Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.4	<b>Width</b> 270 <b>Length</b> 375	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Deer, elk, coyote, smaller mammals and birds.

Pinyon Juniper, sparse to no grasses or other vegetation

#### **Soil Type and Characteristics**

Shallow soils some scattered rock on surface

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required? Y**

As outlined on plan a diversion will be around north east corner of location

**Berm Required? N****Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N**

**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		25    1 Sensitivity Level

**Characteristics / Requirements**

A reserve pit is planned in a cut stable location. Dimensions are 100' x 200' x 8' deep. A minimum of a 16-mil liner with a sub-liner of felt is required.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
Evaluator

1/17/2012  
Date / Time



# Application for Permit to Drill Statement of Basis

4/5/2012

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
5453	43013512960000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Wilcox Investment Company, Inc.	
<b>Well Name</b>	7-16-47 BTR		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNE 16 4S 7W U 2125 FNL 1835 FEL GPS Coord (UTM) 527480E 4442707N				

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
**APD Evaluator**

4/5/2012  
**Date / Time**

**Surface Statement of Basis**

This location is on fee surface with Indian minerals. This onsite inspection was scheduled by James Hereford of the BLM in cooperation with Bill Barrett Corporation. The participants of this onsite met at the nearby home of land owner representative Bob Pinder prior to visiting this site. Surface ownership is recorded to belong to Wilcox Investment Co. of which Mr. Pinder is the primary owner. Several different surface locations were discussed but of this particular proposed location Mr. Pinder stated no concerns.

A small drainage diversion will be required around the north east corner, but aside from that this location appears to be a good site for placement of this well. No other concerns were voiced by those in attendance.

Richard Powell  
**Onsite Evaluator**

1/17/2012  
**Date / Time**

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/12/2012

API NO. ASSIGNED: 43013512960000

WELL NAME: 7-16-47 BTR

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWNE 16 040S 070W

Permit Tech Review: ☒

SURFACE: 2125 FNL 1835 FEL

Engineering Review: ☐

BOTTOM: 2125 FNL 1835 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.13425

LONGITUDE: -110.67743

UTM SURF EASTINGS: 527480.00

NORTHINGS: 4442707.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005608

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: INDIAN - LPM8874725

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 43-180

Board Cause No: Cause 139-85

☐ RDCC Review:

Effective Date: 3/11/2010

☒ Fee Surface Agreement

Siting: 4 Prod LGRRV-WSTC Per Sectional Drilling Units

☐ Intent to Commingle☐ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
5 - Statement of Basis - bhll

RECEIVED: April 05, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** 7-16-47 BTR  
**API Well Number:** 43013512960000  
**Lease Number:** 2OG0005608  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 4/5/2012

### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-85. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 13 2012

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005608
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 7-16-47 BTR
3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420		9. API Well No. 43-013-51296
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNW 2125FNL 1835FEL 40.134314 N Lat, 110.677383 W Lon At proposed prod. zone SWNW 2125FNL 1835FEL 40.134314 N Lat, 110.677383 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 22.5 MILES SOUTHWEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 16 T4S R7W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1835'	16. No. of Acres in Lease 66101.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. NONE	19. Proposed Depth 6776 MD 6776 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6060 GL	22. Approximate date work will start 11/01/2012	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 03/12/2012
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date SEP 18 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #132806 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 03/15/2012 ()

NOTICE OF APPROVAL

UDOGM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

RECEIVED

OCT 09 2012

DIV. OF OIL, GAS & MINING

ms-11/9/12



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 7-16-47 BTR  
API No: 43-013-51296

Location: SWNW, Sec. 16, T4S, R7W  
Lease No: 2OG0005608  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Operator will keep pipeline activities from damaging the existing 18" irrigation pipeline as discussed during the onsite by the private landowner.
- Wood shall be saved per the surface owner's recommendations piled up around well pad and along access roads. Wood from the locations can also be used for reclamation purposes and habitat improvements.
- Noxious weeds will be treated, monitored, and controlled along both the access road, pipeline route, and on the well pad itself.
- Minimal vegetation removal around the well pad to lessen the visual impact and to aid in re-vegetation efforts in the future.
- Operator will insure topsoil stability on location and use topsoil for interim reclamation as soon as possible to maintain viability of topsoil resource.
- All above ground production facilities will be painted Beetle Green to help blend in with the surrounding habitat, unless otherwise directed by the BLM or landowners.
- Roads shall be crown and ditched to divert any runoff from pooling on the road surface itself, this also aids in lessening erosion on the road and disturbed area. Wing ditches can be installed to also aid in controlling runoff from affecting the proposed road. These shall be spaced to adequately catch any runoff along the ditches and aid in diverted water to the surrounding vegetation.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technologies and practices.
- Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo

reclamation immediately after the pipeline is installed and after the roads are built. Please contact the landowner or the BLM for possible seed mixes to use in the project area. Seeds shall be planted in August and prior to ground freeze. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A CBL shall be run from PBTD to the TOC on the production casing.
- Cement for the 5.5 inch casing shall overlap the surface casing shoe by 200 feet.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: <b>3/6/2013</b>	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 This well was spud on 3/6/2013 at 10:00 am by Triple A Drilling, Rig #TA 4037, Rig Type Soilmec SR/30. Continuous drilling is planned to commence on 3/29/13.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 March 06, 2013

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/6/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-16-47 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2125 FNL 1835 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>3/29/2013</b>	<input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC hereby requests to deepen the TD for the subject well 500', from the approved 6776' to 7276'.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: March 20, 2013

By: 

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 3/12/2013



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351296	7-16-47 BTR		SWNE	16	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	<u>new</u>	<u>18950</u>	<u>3/6/2013</u>		<u>3/13/2013</u>		
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 10:00 am.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

3/6/2012

Title

Date

**RECEIVED**  
**MAR 11 2013**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-16-47 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2125 FNL 1835 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2013			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the March 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 04, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 4/4/2013

**7-16-47 BTR 3/22/2013 18:00 - 3/23/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	DRILLING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	2.00	20:00	1	RIGUP & TEARDOWN	PREP DERRICK TO SPLIT - R/D ELECTRICAL - DRAIN BOILER & R/D STEAM LINES
20:00	10.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/23/2013 06:00 - 3/24/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	DRILLING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:00	12.50	19:30	1	RIGUP & TEARDOWN	R/D ELECTRICAL - MOVE BACK YARD & SET ON NEW LOCATION, REMOVE DERRICK BOARD, SPLIT DERRICK, R/D SOLIDS CONTROL EQUIPMENT, SET MATTING BOARDS & SKID RAILS, SET LOWER SUBS, R/U ELECTRICAL, RIG IS 95% MOVED & 50% RIGGED UP
19:30	10.50	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/24/2013 06:00 - 3/25/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	DRILLING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:00	12.00	19:00	1	RIGUP & TEARDOWN	SET SUBS, PIN FROGS, SET DRAWWORKS, PREP DERRICK, PIN DERRICK, PREP DERRICK TO RAISE, SLIP & CUT 200' DAMAGED DRILL LINE, SPOOL UP DRAWWORKS, RAISE DERRICK, R/U ELECTRICAL, SET & R/U SOLIDS CONTROL EQUIPMENT, R/U MUD TANKS, R/U BOILER & STEAM LINES, SET 400BBLs UPRIGHTS, SET CEMENT BULK TANKS - MOVE & SET CAMPS - RIG IS 100% MOVED & 90% RIGGED UP
19:00	11.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/25/2013 06:00 - 3/26/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	DRILLING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	R/U ELECTRICAL - P/U TOP DRIVE & R/U IN DERRICK - R/U FLOOR, WIND WALLS, MUD TANKS, MUD PUMPS, WATER LINES, FILL TANKS RIG BACK ON DAYWORK @ 1800 HRS
18:00	6.50	00:30	1	RIGUP & TEARDOWN	R/U CONDUCTOR, DRESS OUT SHAKERS, R/U GAS BUSTER, TEST MUD PUMPS
00:30	1.00	01:30	21	OPEN	SETUP PIPE RACKS & STRAP BHA
01:30	1.50	03:00	6	TRIPS	P/U MUD MOTOR - M/U BIT - P/U SHOCK SUB & REAMER - BUILD STAND OF 6" DCs TO USE FOR KELLY
03:00	0.50	03:30	2	DRILL ACTUAL	W/360 GPM, 25 RPM, 8K WT ON BIT, 100-250 DIFF PRESS, 2K TQ
03:30	1.00	04:30	1	RIGUP & TEARDOWN	STAND BACK 6" DCs - RE-SET CONDUCTOR AFTER PULLING OF DUE TO REAMER HANGING UP ON ROT HEAD CLAMP
04:30	1.50	06:00	20	DIRECTIONAL WORK	SCRIBE MOTOR - P/U MONELS, BUILD & INSTALL MWD TOOL ORIENT SAME - P/U GAP SUB & SECOND MONEL

**7-16-47 BTR 3/26/2013 06:00 - 3/27/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	DRILLING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	W/600 GPM, 45 RPM, 18K WT ON BIT, 250-350 DIFF PRESS, 7K TQ
16:30	0.50	17:00	5	COND MUD & CIRC	CIRC PUMP 2 HIGH VIS SWEEPS
17:00	1.00	18:00	6	TRIPS	WIPER TRIP F/835' T/250'
18:00	0.50	18:30	5	COND MUD & CIRC	PUMP 2 HIGH VIS SWEEPS
18:30	1.50	20:00	6	TRIPS	T.O.O.H. F/835 T/114' - L/D REAMERS & 8" DCs
20:00	1.50	21:30	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT & L/D MUD MOTOR

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
21:30	3.00	00:30	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN 19 JOINTS 9 5/8 36# J-55 CSG WITH 6 CENTRALIZERS - CSG SET @ 825'
00:30	1.50	02:00	5	COND MUD & CIRC	CIRC - LOST RETURNS - PUMP TWO 40 BBLS (20%) LCM SWEEPS UNABLE TO GET RETURNS BACK
02:00	1.50	03:30	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS - TEST LINES @ 1000 PSI, PUMP 10 BBLS WATER, 40 BBLS SUPER FLUSH, 10 BBLS WATER, 87.6 BBLS 370 SKS 14.8 PPG 1.33 YIELD TAIL CEMENT MIXED @ 6.31 GAL/SK, SHUT DOWN DROP PLUG & DISPLACE WITH 60.1 BBLS WATER, BUMP PLUG & PRESSURE 500 PSI OVER TO(600 PSI) FLOATS HELD GOT RETURNS 5 BBLS INTO CEMENT (LOST RETURNS 30 BBLS INTO CEMENT)
03:30	1.50	05:00	13	WAIT ON CEMENT	W.O.C.
05:00	1.00	06:00	12	RUN CASING & CEMENT	PUMP 41 BBLS, 200 SKS 15.6 PPG 1.17 YIELD TOP OUT CEMENT W/2%CaCl - TOP OF CEMENT AROUND 140'

**7-16-47 BTR 3/27/2013 06:00 - 3/28/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	13	WAIT ON CEMENT	WAIT ON CEMENT (CALLED OUT 300 MORE SACKS)
09:30	1.50	11:00	12	RUN CASING & CEMENT	PUMP 30 BBLS 190 SKS 15.6 PPG 1.17 YIELD TOP OUT CEMENT MIXED @ 5.02 GAL/SK - 10 BBLS CEMENT TO SURFACE
11:00	0.50	11:30	13	WAIT ON CEMENT	WOC
11:30	4.00	15:30	21	OPEN	CUT OFF CSG & WELD ON WELL HEAD
15:30	2.50	18:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP
18:00	4.00	22:00	15	TEST B.O.P	R/U B&C QUICK TEST-TESTER (MIKE SHEA) & TEST BOP (FOSV, INSIDE BOP, LOWER KELLY VALVE, KILL LINE VALVES, CHECK VALVE, INSIDE & OUTSIDE CHOKE LINE & VALVES, PIPE RAMS, BLIND RAMS, HCR, ALL @ 10 MIN 5000 PSI HIGH 5MIN 250 PSI LOW, SUPER CHOKE & MANUAL CHOKE @ 5MIN 500 PSI, ANNULAR @ 10 MIN 2500 PSI HIGH 5 MIN 250 PSI LOW, CSG @ 30 MIN 1500 PSI - R/D TESTER
22:00	0.50	22:30	21	OPEN	SET WEAR BUSHING - CHANGE OUT GRABBER DIES - CHANGE OUT SAVER SUB
22:30	0.50	23:00	7	LUBRICATE RIG	RIG SERVICE - ADJUST TOP DRIVE TRACK
23:00	1.50	00:30	20	DIRECTIONAL WORK	P/U MUD MOTOR - M/U BIT - P/U DIR TOOLS LOAD MWD TOOL & OREINT SAME
00:30	0.50	01:00	6	TRIPS	T.I.H. F/109' T/770'
01:00	1.00	02:00	2	DRILL ACTUAL	DRILL CEMENT FLOAT & SHOE W/320 GPM, 25 RPM & 10K WT ON BIT
02:00	0.50	02:30	2	DRILL ACTUAL	W/350 GPM, 30 RPM, 10K WT ON BIT, 150 DIFF PRESS, 2K TQ
02:30	1.50	04:00	21	OPEN	PERFORM 10.5 PPG EMW TEST @ 855' W/8.7 PPG MW - SPOT15% LCM PILL CLOSE ANNULAR & ATTEMPT TO PRESSURE UP TO 80 PSI PRESSURE LEAKING OFF - CHECK SURFACE LINES & BOP - CIRC SPOT 25% LCM PILL CLOSE ANNULAR & PRESSURE UP TO 80 PSI PRESSURE DROPPED TO 62 PSI (10.1 PPG MW)
04:00	2.00	06:00	2	DRILL ACTUAL	W/570 GPM, 50 RPM, 16K WT ON BIT, 100-300 DIFF PRES, 4K TQ

**7-16-47 BTR 3/28/2013 06:00 - 3/29/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	2	DRILL ACTUAL	W/570 GPM, 50 RPM, 17K WT ON BIT, 150-200 DIFF PRESS, 4K TQ
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE
12:00	18.00	06:00	2	DRILL ACTUAL	W/570 GPM, 55 RPM, 20K WT ON BIT, 100-250 DIFF PRESS, 7K TQ

**7-16-47 BTR 3/29/2013 06:00 - 3/30/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	W/ 570 GPM, 50 RPM, 21K WT ON BIT, 200-350 DIFF PRESS, 8K TQ
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE
08:30	10.00	18:30	2	DRILL ACTUAL	W/420 GPM, 50 RPM, 21K WT ON BIT 200-350 DIFF PRESS, 9K TQ - SHAKERS BYPASSED @ 4200' - LCM CONTENT 15%

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:30	1.00	19:30	5	COND MUD & CIRC	LOST RETURNS - BUILD VOLUME & BRING UP LCM CONTENT TO 25%
19:30	8.50	04:00	2	DRILL ACTUAL	W/420 GPM, 50 RPM, 21K WT ON BIT, 150- 300 DIFF PRESS, 9K TQ
04:00	2.00	06:00	5	COND MUD & CIRC	LOST RETURNS @ 5193' SPOT 35% LCM PILL, PULL 5 STANDS & LET PILL SOAK - BUILD VOLUME



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# SST RIG 17  
Submitted By JEREMY MEJORADO Phone Number 281-833-  
2424

Well Name/Number 7-16-47 BTR

Qtr/Qtr SW/NW Section 16 Township 4S Range 7W

Lease Serial Number 2OG0005608

API Number 4301351296

Spud Notice – Spud is the initial spudding of the well, not drilling  
out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing  
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 3/26/13 6:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_ AM ☐ PM ☐

RECEIVED

MAR 25 2013

DIV. OF OIL, GAS & MINING

Remarks WE WILL BE CEMENTING CSG AROUND 2100 HRS  
(9:00PM) 3/26/13 PLEASE CALL WITH ANY QUESTIONS OR  
CONCERNS

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# SST RIG 17

Submitted By JEREMY MEJORADO Phone Number 281-833-2424

Well Name/Number 7-16-47 BTR

Qtr/Qtr SW/NW Section 16 Township 4S Range 7W

Lease Serial Number 2OG0005608

API Number 4301351296

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time \_ \_ AM ☐ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

MAR 26 2013

DIV. OF OIL, GAS & MINING

Date/Time 3/27/13 9:00 AM ☒ PM ☐

Remarks PLEASE CALL WITH ANY QUESTIONS OR CONCERNS

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# SST RIG 17

Submitted By JEREMY MEJORADO Phone Number 281-833-2424

Well Name/Number 7-16-47 BTR

Qtr/Qtr SW/NW Section 16 Township 4S Range 7W

Lease Serial Number 2OG0005608

API Number 4301351296

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/1/13 9:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_ \_ AM ☐ PM ☐

RECEIVED

MAR 31 2013

DIV. OF OIL, GAS & MINING

Remarks WE WILL BE CEMENTNG AROUND 4:00 AM 4/2/13  
PLEASE CALL WITH ANY QUESTIONS OR CONCERNS

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  

spud in March 2013

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 April 17, 2013**

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/5/2013	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-16-47 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512960000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2125 FNL 1835 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the April 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 03, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 5/3/2013

**7-16-47 BTR 4/1/2013 06:00 - 4/2/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	11	WIRELINE LOGS	LOGGING - LOGGERS DEPTH=7036' - R/D LOGGERS
10:00	3.00	13:00	6	TRIPS	T.I.H. F/O' T/7037'
13:00	1.50	14:30	5	COND MUD & CIRC	CIRC B/U - R/U L/D TRUCK
14:30	4.50	19:00	6	TRIPS	L/D DP, HWDP, & DCs
19:00	0.50	19:30	21	OPEN	PULL WEAR BUSHING
19:30	7.00	02:30	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN 158 JOINTS 5.5" 17# P-110 CSG WITH 68 CENTRALIZERS & 3 MARKER JOINTS - CSG SET @ 7027' - BREAK CIRC EVERY 1500'
02:30	1.50	04:00	5	COND MUD & CIRC	CIRC B/U
04:00	2.00	06:00	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS, TEST LINES @ 5000 PSI, PUMP 10 BBLS WATER, 40 BBLS SUPER FLUSH, 10 BBLS WATER, 208.6 BBLS 505 SKS 10.9 PPG 2.32 YIELD LEAD CEMENT MIXED @ 10.61 GAL/SK, 165.5 BBLS 650 SKS 13.5 PPG 1.43 YIELD TAIL CEMENT MIXED @ 6.65 GAL/SK,

**7-16-47 BTR 4/2/2013 06:00 - 4/2/2013 12:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	WASH LINES DROP PLUG & DISPLACE WITH 161 BBLS CLAY-WEB WATER - BUMP PLUG & PRESSURE UP 500 PSI OVER TO 2200 PSI - FLOATS HELD - LOST RETURNS 87 BBLS INTO DISPLACEMENT - R/D CEMENTERS
07:00	2.00	09:00	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP
09:00	0.50	09:30	21	OPEN	SET CASING SLIPS & 155K - CUT OFF CSG & INSTALL NIGHT CAP
09:30	2.50	12:00	21	OPEN	CLEAN MUD TANKS - START RIGGING DOWN - RIG RELEASED @ 1200 4/2/13

**7-16-47 BTR 4/5/2013 06:00 - 4/6/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	CHECK PRESSURES. ND 11" NIGHT CAP. MAKE FINAL CUT ON 5-1/2" CSG. INSTALL 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. INSTALL 7" NIGHT CAP.

**7-16-47 BTR 4/10/2013 06:00 - 4/11/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
08:00	1.50	09:30	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.
09:30	4.50	14:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,914', Drilling Report Shows FC At 6,935', 21' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,914', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 04-01-2013. Run Repeat Section From 6,914 - 6,600', Log Up Hole. Showed Good/Great Bond From TD To 4,200, 4,200 - 3,977' Ratty. TOC 3,977'. Found Short Joints At 6,144 - 6,166', 5,357 - 5,379' And 4,169 - 4,186'. Ran With Pressure. Pooh, RD Equipment, MOL.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/18/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
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	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  This well received first production on 5/18/2013.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 22, 2013		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/22/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Attached is the May 2013 Drilling Activity for this well.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 June 06, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/5/2013	

**7-16-47 BTR 5/12/2013 06:00 - 5/13/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test. Set Frac Tree, Test. Plumb In Flowback, Test.

**7-16-47 BTR 5/14/2013 06:00 - 5/15/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat KCL Tanks. HES Set Manifold And Mover. Prep For Frac.

**7-16-47 BTR 5/15/2013 06:00 - 5/16/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL.
07:00	2.00	09:00	SRIG	Rig Up/Down	JSA. CHECK PRESSURE. RU SLB CRANE AND EQUIP.
09:00	1.00	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WELL W/ 0 PSI. RIH AND PERF CR-6, CR-5, AND CR-4 FORM 6602'-6868' W/ 48 HOLES IN 16' NET. POOH AND VERIFY ALL PERFS SHOT. SHUT WELL IN.
10:00	6.00	16:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

**7-16-47 BTR 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	GOP	General Operations	AOL 04:00. RUN QC. PRIME UP CHEMS AND PUMPS.
06:00		06:00	SMTG	Safety Meeting	SAFETY MTG-- RED ZONE. TRAFFIC. SMOKING, CONGESTED WORK AREAS.
06:00	0.34	06:20	FRAC	Frac. Job	FRAC STG #1- CR-4, CR-5, AND CR-6 PERFS 6602'-6868' 48 HOLES IN 16' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 468 PSI AT 05:13 BREAK DOWN 2774 PSI AT 8.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 96 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1956 PSI. FLUSH W/ 6446 GAL. 30.2 BPM AT 2777 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 3419 PSI. ISIP 1589. FG .67. PERFS OPEN 33/48. CONT FR PAD. 69.8 BPM AT 3227 PSI. STAGE HYBOR PAD 70.2 BPM AT 3528 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.8 BPM AT 3432 PSI. ON PERFS 70.1 BPM AT 3062 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.2 BPM AT 2989 PSI. ON PERFS 71.1 BPM AT 2782 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.7 BPM AT 2634 PSI. ON PERFS 70.9 BPM AT 2569 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.8 BPM AT 2559 PSI. ON PERFS 71.2 BPM AT 2579 PSI. FLUSH 71.0 BPM AT 2875 PSI. WSI WITH 1671 PSI. TURN OVER TO WIRELINE.  ISDP 1687 MAX RATE 71.6 BPM AVE RATE 70.6 BPM PMP 135,300 LBS 20/40 WHITE. SLK WTR 57,683 GAL TOTAL CLEAN 117,722 GAL  FG .69 MAX PRES 3538 PSI AVE PRES 2811 PSI 250 LBS SCALE SORB 3 20# HYBOR G (16) 56,109 GAL BWTR 2803 BBLS

Start Time	Dur (hr)	End Time	Code	Category	Com
06:20	1.34	07:40	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 2 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6144'-6166". RUN DOWN AND SET CBP AT 6596' WITH 1500 PSI. PULL UP AND PERF CR-4 FORM 6327'-6581' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 700 PSI.
07:40	1.16	08:50	FRAC	Frac. Job	FRAC STG #2- CR-4 PERFS 6327'-6581' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 217 PSI AT 07:41 BREAK DOWN 2793 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1894 PSI. FLUSH W/ 6178 GAL. 30.1 BPM AT 2525 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3407 PSI. ISIP 1575. FG .68. PERFS OPEN 33/45. CONT FR PAD. 70.7 BPM AT 3337 PSI. STAGE HYBOR PAD 70.2 BPM AT 3432 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.0 BPM AT 3326 PSI. ON PERFS 70.1 BPM AT 3115 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2821 PSI. ON PERFS 70.3 BPM AT 2575 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2427 PSI. ON PERFS 70.3 BPM AT 2380 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2374 PSI. ON PERFS 70.2 BPM AT 2440 PSI. FLUSH 71.0 BPM AT 2440 PSI. WSI WITH 1675 PSI. TURN OVER TO WIRELINE.  ISDP 1687                      FG .70 MAX RATE 71.0 BPM          MAX PRES 3437 PSI AVE RATE 70.5 BPM          AVE PRES 2593 PSI PMP 150,100 LBS 20/40 WHITE.      250 LBS SCALE SORB 3 SLK WTR 61,896 GAL          20# HYBOR G (16) 62,501 GAL TOTAL CLEAN 128,306 GAL          BWTR 3055 BBLs
08:50	1.25	10:05	PFRT	Perforating	PERF STG #3- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 3 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6144'-6166". RUN DOWN AND SET CBP AT 6314' WITH 1500 PSI. PULL UP AND PERF CR-3 AND CR-4 FORM 6006'-6294' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 250 PSI.
10:05	1.16	11:15	FRAC	Frac. Job	FRAC STG #3- CR-3 AND CR-4 PERFS 6006'-6294' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 189 PSI AT 10:07 BREAK DOWN 2724 PSI AT 9.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2328 PSI. FLUSH W/ 5864 GAL. 30.1 BPM AT 3234 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 3413 PSI. ISIP 1552. FG .69. PERFS OPEN 32/45. CONT FR PAD. 70.5 BPM AT 3230 PSI. STAGE HYBOR PAD 70.0 BPM AT 3218 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.9 BPM AT 3215 PSI. ON PERFS 70.1 BPM AT 2910 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.0 BPM AT 2778 PSI. ON PERFS 70.1 BPM AT 2548 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2469 PSI. ON PERFS 70.2 BPM AT 2437 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.2 BPM AT 2448 PSI. ON PERFS 70.2 BPM AT 2439 PSI. FLUSH 70.6 BPM AT 3061 PSI. WSI WITH 1700 PSI. TURN OVER TO WIRELINE.  ISDP 1686                      FG .71 MAX RATE 70.6 BPM          MAX PRES 3419 PSI AVE RATE 70.1 BPM          AVE PRES 2611 PSI PMP 150,200 LBS 20/40 WHITE.      250 LBS SCALE SORB 3 SLK WTR 61,290 GAL          20# HYBOR G (16) 62,570 GAL TOTAL CLEAN 127,746 GAL          BWTR 3041 BBLs



Start Time	Dur (hr)	End Time	Code	Category	Com
11:15	1.17	12:25	PFRT	Perforating	PERF STG #4- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 4 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'. RUN DOWN AND SET CBP AT 5999' WITH 1500 PSI. PULL UP AND PERF CR-2 AND CR-3 FORM 5756'-5979' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1450 PSI.
12:25	1.17	13:35	FRAC	Frac. Job	FRAC STG #4- CR-2 AND CR-3 PERFS 5756'-5979' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 1379 PSI AT 12:28 BREAK DOWN 2447 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1688 PSI. FLUSH W/ 5620 GAL. 29.9 BPM AT 2463 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3108 PSI. ISIP 1584. FG .71. PERFS OPEN 37/45. CONT FR PAD. 70.5 BPM AT 2926 PSI. STAGE HYBOR PAD 70.1 BPM AT 3025 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.0 BPM AT 3012 PSI. ON PERFS 70.0 BPM AT 2796 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2706 PSI. ON PERFS 70.2 BPM AT 2505 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2428 PSI. ON PERFS 70.3 BPM AT 2389 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.1 BPM AT 2400 PSI. ON PERFS 70.1 BPM AT 2362 PSI. FLUSH 70.9 BPM AT 3037 PSI. WSI WITH 1800 PSI. TURN OVER TO WIRELINE.  ISDP 1845                      FG .75 MAX RATE 70.6 BPM          MAX PRES 3052 PSI AVE RATE 70.2 BPM          AVE PRES 2529 PSI PMP 150,200 LBS 20/40 WHITE.          250 LBS SCALE SORB 3 SLK WTR 60,855 GAL          20# HYBOR G (16) 62,542 GAL TOTAL CLEAN 127,312 GAL          BWTR 3031 BBLS
13:35	1.17	14:45	PFRT	Perforating	PERF STG #5- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 5 INTO LUB AND EQUALIZE 1600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'. RUN DOWN AND SET CBP AT 5752' WITH 1500 PSI. PULL UP AND PERF WASATCH AND CR-2 FORM 5507'-5732' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1500 PSI.

Start Time	Dur (hr)	End Time	Code	Category	Com
14:45	1.25	16:00	FRAC	Frac. Job	<p>FRAC STG #5- WASATCH AND CR-2 PERFS 5507'-5732' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 1465 PSI AT 14:46 BREAK DOWN 2913 PSI AT 9.4 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1705 PSI. FLUSH W/ 5377 GAL. 30.4 BPM AT 2400 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 2929 PSI. ISIP 1516. FG .71. PERFS OPEN 38/45. CONT FR PAD. 70.5 BPM AT 2759 PSI. STAGE TO .75 PPA 100 MESH. 70.1 BPM AT 2880 PSI. IN PERFS 70.2 BPM AT 2824 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.1 BPM AT 2769 PSI, ON PERFS 70.1 BPM AT 2717 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2606 PSI. ON PERFS 70.1 BPM AT 2510 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.1 BPM AT 2361 PSI. ON PERFS 70.1 BPM AT 2333 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2299 PSI. ON PERFS 70.3 BPM AT 2317 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2288 PSI. ON PERFS 70.2 BPM AT 2237 PSI. FLUSH 70.6 BPM AT 2640 PSI. WSI WITH 1500 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1591 MAX RATE 70.8 BPM AVE RATE 70.2 BPM PMP 13,200 LBS 100 MESH TOT 163,800 LBS PROP SLK WTR 60,307 GAL TOTAL CLEAN 136,916 GAL</div> <div>FG .72 MAX PRES 2883 PSI AVE PRES 2512 PSI 150,200 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 72,698 GAL BWTR 3260 BBLs</div> </div>
16:00	1.50	17:30	PFRT	Perforating	<p>PERF STG #6- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 6 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'. RUN DOWN AND SET CBP AT 5480' WITH 1500 PSI. PULL UP AND PERF CR-1, CR-1A, AND WASATCH FORM 5263'-5460' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL FOR NIGHT.</p>

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL AT 06:00. STRAP TANKS. RUN QC ON FLUIDS. PRIME UP CHEMS AND PUMPS. HSM- RED ZONE, HIGH PRESSURES, OVERHEAD LIFTS, PPE, EXPLOSIVES, WORK AREAS, AND SMOKING.



# Bill Barrett Corporation

## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.17	08:10	FRAC	Frac. Job	<p>FRAC STG #6- CR-1, CF-1A, AND WASATCH PERFS 5263'-5460' 45 HOLES IN 15' NET.            PRESSURE TEST LINES TO 9200 PSI.            OPEN WELL W/ 1225 PSI AT 06:58            BREAK DOWN 2339 PSI AT 9.2 BPM.            PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1480 PSI.            FLUSH W/ 5139 GAL. 30.0 BPM AT 1986 PSI. ATTEMPT BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2775 PSI. ISIP 1413. FG .70.            PERFS OPEN 38/45.            CONT FR PAD. 70.4 BPM AT 2732 PSI.            STAGE TO .75 PPA 100 MESH. 70.3 BPM AT 2618 PSI. IN PERFS 70.3 BPM AT 2632 PSI.            STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 2654 PSI, ON PERFS 70.2 BPM AT 2594 PSI.            STAGE TO 2 PPA 20/40 WHITE. 70.2 BPM AT 2577 PSI. ON PERFS 70.3 BPM AT 2416 PSI.            STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2322 PSI. ON PERFS 70.2 BPM AT 2238 PSI.            STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2197 PSI. ON PERFS 70.3 BPM AT 2174 PSI.            STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2140 PSI. ON PERFS 70.2 BPM AT 2124 PSI.            FLUSH 70.6 BPM AT 2452 PSI.            WSI WITH 1550 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1613            MAX RATE 70.7 BPM            AVE RATE 70.2 BPM            PMP 13,530 LBS 100 MESH            TOT 163,500 LBS PROP            SLK WTR 59,794 GAL            TOTAL CLEAN 136,310 GAL</p> <p>FG .74            MAX PRES 2745 PSI            AVE PRES 2386 PSI            149,970 LBS 20/40 WHITE.            250 LBS SCALE SORB 3            20# HYBOR G (16) 72,588 GAL            BWTR 3245 BBLS</p>
08:10	1.25	09:25	PFRT	Perforating	<p>PERF STG #7- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 7 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 4169'-4187'.            RUN DOWN AND SET CBP AT 5257' WITH 1500 PSI. PULL UP AND PERF CASTLE            PEAK FORM 4941'-5237' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL            GUNS SHOT. TURN OVER TO HES WITH 1400 PSI.</p>

Start Time	Dur (hr)	End Time	Code	Category	Com
09:25	1.17	10:35	FRAC	Frac. Job	<p>FRAC STG #7- CASTLE PEAK PERFS 4941'-5236' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 9200 PSI.  OPEN WELL W/ 1276 PSI AT 09:23  BREAK DOWN 1595 PSI AT 10.0 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.5 BPM AT 1522 PSI.  FLUSH W/ 4824 GAL. 30.0 BPM AT 2003 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 71.0 BPM AT 2929 PSI. ISIP 1329. FG .70.  PERFS OPEN 35/45.  CONT FR PAD. 70.6 BPM AT 2522 PSI. (41/45 P/O)  STAGE TO .75 PPA 100 MESH. 70.1 BPM AT 2537 PSI. IN PERFS 70.2 BPM AT 2532 PSI.  STAGE TO 1 PPA 20/40 WHITE. 70.2 BPM AT 2590 PSI, ON PERFS 70.1 BPM AT 2510 PSI.  STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2433 PSI. ON PERFS 70.1 BPM AT 2322 PSI.  STAGE TO 3 PPA 20/40 WHITE. 70.0 BPM AT 2229 PSI. ON PERFS 70.2 BPM AT 2129 PSI.  STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2042 PSI. ON PERFS 70.3 BPM AT 1991 PSI.  STAGE TO 4 PPA 20/40 WHITE. 70.2 BPM AT 1983 PSI. ON PERFS 70.2 BPM AT 1942 PSI.  FLUSH 70.6 BPM AT 2260 PSI.  WSI WITH 1360 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1422 MAX RATE 70.6 BPM AVE RATE 70.2 BPM PMP 13,500 LBS 100 MESH TOT 163,500 LBS PROP SLK WTR 59,468 GAL TOTAL CLEAN 136,351 GAL</div> <div>FG .72 MAX PRES 2590 PSI AVE PRES 2259 PSI 150,000 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 72.973 GAL BWTR 3246 BBLs</div> </div>
10:35	1.00	11:35	PFRT	Perforating	<p>PERF STG #8- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 8 INTO LUB AND EQUALIZE 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 4169'-4187'.  RUN DOWN AND SET CBP AT 4914' WITH 1200 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK FORM 4628'-4894' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN OVER TO HES W/ 200 PSI</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:35	1.66	13:15	FRAC	Frac. Job	<p>FRAC STG #8- BLACK SHALE AND CASTLE PEAK PERFS 4628'-4894' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 9200 PSI.  OPEN WELL W/ 122 PSI AT 11:56  BREAK DOWN 1821 PSI AT 4.2 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1381 PSI.  FLUSH W/ 4519 GAL. 30.2 BPM AT 2192 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3200 PSI. ISIP 1244. FG .70.  PERFS OPEN 30/45.  CONT FR PAD. 70.7 BPM AT 2681 PSI. (37/45 P/O)  STAGE TO .75 PPA 100 MESH. 70.3 BPM AT 2488 PSI. IN PERFS 70.3 BPM AT 2453 PSI.  STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 2533 PSI, ON PERFS 70.3 BPM AT 2488 PSI.  STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2456 PSI. ON PERFS 70.1 BPM AT 2310 PSI.  STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2203 PSI. ON PERFS 70.2 BPM AT 2093 PSI.  STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2025 PSI. ON PERFS 70.2 BPM AT 1993 PSI.  STAGE TO 4 PPA 20/40 WHITE. 70.2 BPM AT 1962 PSI. ON PERFS 70.2 BPM AT 1933 PSI.  FLUSH 70.3 BPM AT 2304 PSI.  WSI WITH 1400 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1384                      FG .73  MAX RATE 70.7 BPM            MAX PRES 2695 PSI  AVE RATE 70.2 BPM            AVE PRES 2232 PSI  PMP 12,170 LBS 100 MESH      134,190 LBS 20/40 WHITE.  TOT 146,360 LBS PROP        250 LBS SCALE SORB 3  SLK WTR 53,960 GAL          20# HYBOR G (16) 66,370 GAL  TOTAL CLEAN 124,237 GAL      BWTR 2958 BBLS</p>
13:15	0.75	14:00	WLWK	Wireline	<p>PU 5-1/2" EXELIS CBP AND SETTING TOOL. EQUALIZE 1200 PSI AND OPEN WELL.  RIH AND CORRELATE TO SJ AT 4169'-4187'. SET KILL PLUG AT 4578' W/ 1200 PSI.  BLEED OFF WELL AS POOH W/ SETTING TOOLS.</p>
14:00	2.00	16:00	SRIG	Rig Up/Down	RDMO HES AND SLB.
16:00	14.00	06:00	GOP	General Operations	MOVE TANK FOR RIG. STACK WTR AND MOVE OUT TANKS. WELL SHUT IN AND SECURE.

**7-16-47 BTR 5/18/2013 06:00 - 5/19/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	0.50	07:30	SRIG	Rig Up/Down	R/D RIG ON 14-8D-36 BTR.
07:30	1.00	08:30	RMOV	Rig Move	ROAD RIG TO LOCATION.
08:30	1.00	09:30	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
09:30	2.00	11:30	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 230 JTS ON RACKS & TALLY TBG.
11:30	2.00	13:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & 2.31 XN- NIPPLE. RIH P/U 2-7/8 L-80 TBG TO KILL PLUG @ 4578'.
13:30	4.50	18:00	DOPG	Drill Out Plugs	<p>R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT &amp; BOPE TO 2500 PSI, HELD.</p> <p>D/O KILL PLUG @ 4578'. FCP- 1000 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 4894'. C/O SAND &amp; D/O CBP @ 4914'. FCP- 750 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 5240'. C/O SAND &amp; D/O CBP @ 5257'. FCP- 900 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 5440'. C/O SAND &amp; D/O CBP @ 5480'. FCP- 600 ON 28/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. SDFN. EOT @ 5463'. TURN WELL OVER TO FLOW BACK. SDFN.</p>
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.

**7-16-47 BTR 5/19/2013 06:00 - 5/20/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	5.00	12:00	DOPG	Drill Out Plugs	<p>FCP- 800 ON 24/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 5736'. BREAK CIRC. C/O SAND &amp; D/O CBP @ 5752'. FCP- 800 ON 24/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 5964'. C/O SAND &amp; D/O CBP @ 5999'. FCP- 800 ON 24/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 6298'. C/O SAND &amp; D/O CBP @ 6314'. FCP- 800 ON 24/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 6585'. C/O SAND &amp; D/O CBP @ 6596'. FCP- 750 ON 26/64 CHOKE.</p> <p>SWIVEL IN HOLE, TAG SAND @ 6873'. C/O TO FLOAT COLLAR @ 6934'. D/O F/C. C/O CMT TO 6997' PBTD. JT 219 ALL THE WAY IN. CIRC WELL CLEAN. PUMPED 350 BBLS TOTAL. R/D SWIVEL</p>
12:00	1.50	13:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 4547' & LAND TBG. 142 JTS TOTAL IN HOLE.
13:30	1.50	15:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TO SALES LINE. TURN OVER TO FLOW BACK.
15:00	2.00	17:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOL.STAGE RIG @ 5-4-45 BTR.. SDFN
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. TBG FLOWING TO SALES. CREW TRAVEL.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005608			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR			
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013512960000			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/25/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input checked="" type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> BBC hereby requests flaring permission for the subject location until the August hearing. Please see additional information attached.					
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> June 24, 2013 <b>By:</b> <u>Derek Quist</u>					
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher		<b>PHONE NUMBER</b> 303 312-8172			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Senior Permit Analyst			
<b>DATE</b> 6/24/2013					



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43013512960000**

**Approval given through the August 28, 2013 Board Hearing date or until pipeline is completed allowing transport of gas, whichever is sooner. If amount flared increases significantly or amount approaches the 50MMCF, contact the Division immediately, further action may be necessary. Any actions that can be taken to limit flaring or make use of gas prior to the hearing date that would not create waste or create adverse impact on the well or producing reservoir should be employed.**

On May 19<sup>th</sup>, 2013 the BTR 7-16-47 began initial flowback. This is an exploratory oil well test Southwest of the BTR Lake Canyon field. BBC is determining if continued drilling should proceed.

This well has produced 4,500 MCF during the first 35 days. BBC is requesting additional flaring capacity up to 50MMCF, to be flared until hearing, BBC will file a request to appear at the August 2013 Flaring Hearing.

The well flowed for 15 day. It has since been put on rod pump and is currently producing 180 BO, 180 BW, 225 MCF. It is critical to continue flow testing the well to develop a production decline in order to determine the economic feasibility of continued drilling. Additional locations have APDs and are waiting to drill based on the results of this well. Shutting in the well for extended period has been shown to reduce the productivity and ultimate reserves of the well based on the BTR 1-13D-47.

In regard to rule R649-3-20-3.1, BBC has looked at the available gas disposition options (compressed natural gas (CNG), electrical generation, gas-to-liquids (GTL) and gas injection and does not monetarily make sense to do being that other options could require high capital investment and might take longer than the current estimated timeframe for the pipeline approval and construction.

Per the status of the pipeline, BBC has been working on obtaining ROW to connect to a sales point 5 miles east. BBC is diligently working to get a route approved/constructed as soon as possible.

RECEIVED: Jun. 10, 2013

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER MAHOGANY TGR3 DOUGLAS CREEK BLACK SHALE CASTLE PEAK UTELAND BUTTE WASATCH	960 1804 2947 3806 4638 4832 5161 5459

## 32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. Conductor cemented with grout. Attached is Treatment data, Logs(CBL will be mailed due to file size) and End of Well Report. First oil sales were on 5/25/2013. Gas is flaring until pipeline hookup.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #210180 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal**

Name(*please print*) CHRISTINA HIRTLER

Title ADMINISTRATIVE ASSISTANT

Signature \_\_\_\_\_ (Electronic Submission)

Date 06/10/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**RECEIVED:** Jun. 10, 2013

**7-16-47 BTR Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<b><u>Stage</u></b>	<b><u>BBS Slurry</u></b>	<b><u>lbs 100 Common Mesh</u></b>	<b><u>lbs 20/40 White Sand</u></b>	<b><u>gal 15% HCl Acid</u></b>
1	2802		135300	3930
2	3055		150100	3909
3	3042		150200	3886
4	3031		150200	3915
5	3260	13600	150200	3911
6	3245	13530	149970	3928
7	3246	13500	150000	3910
8	2958	12170	134190	3907

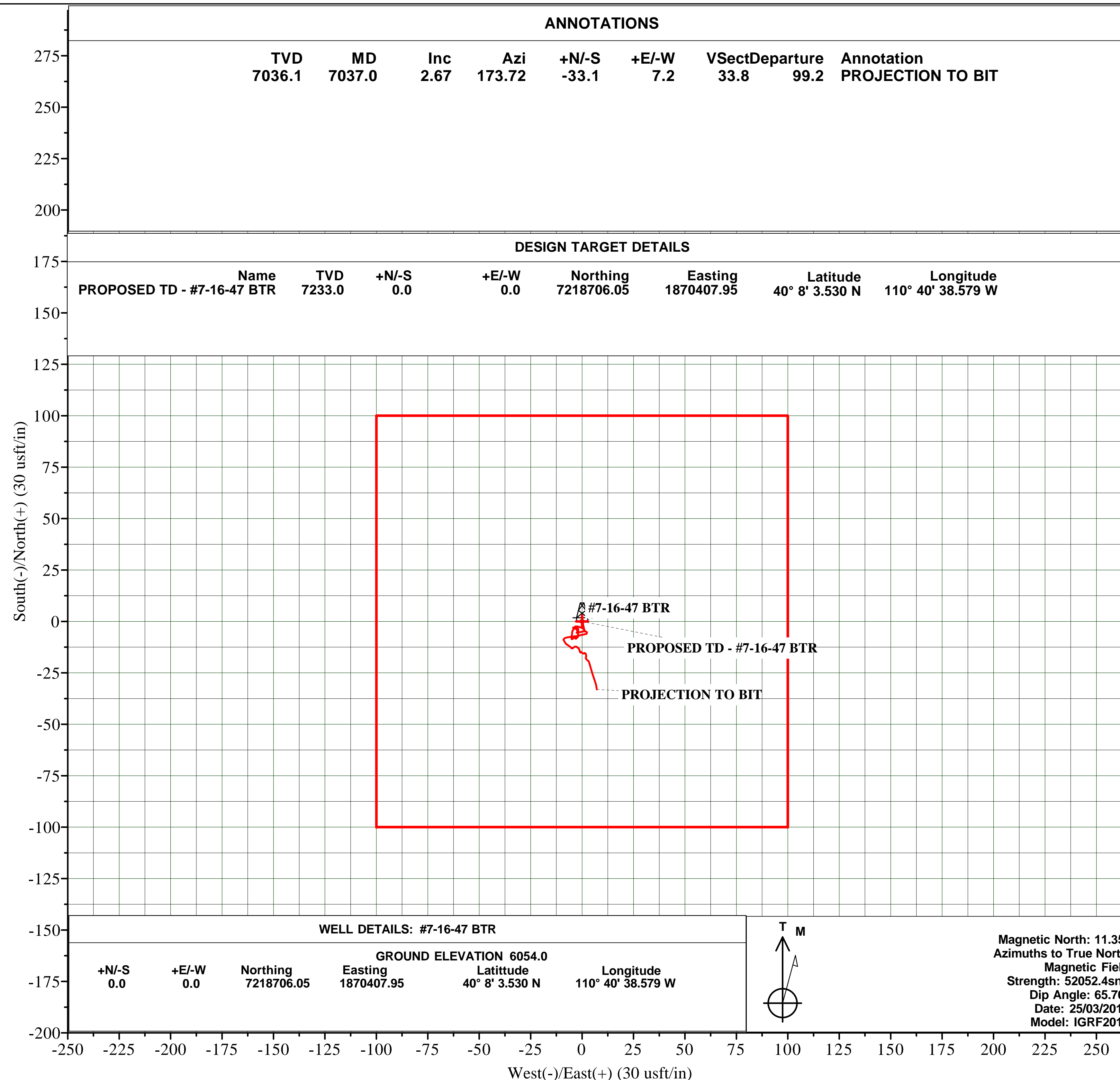
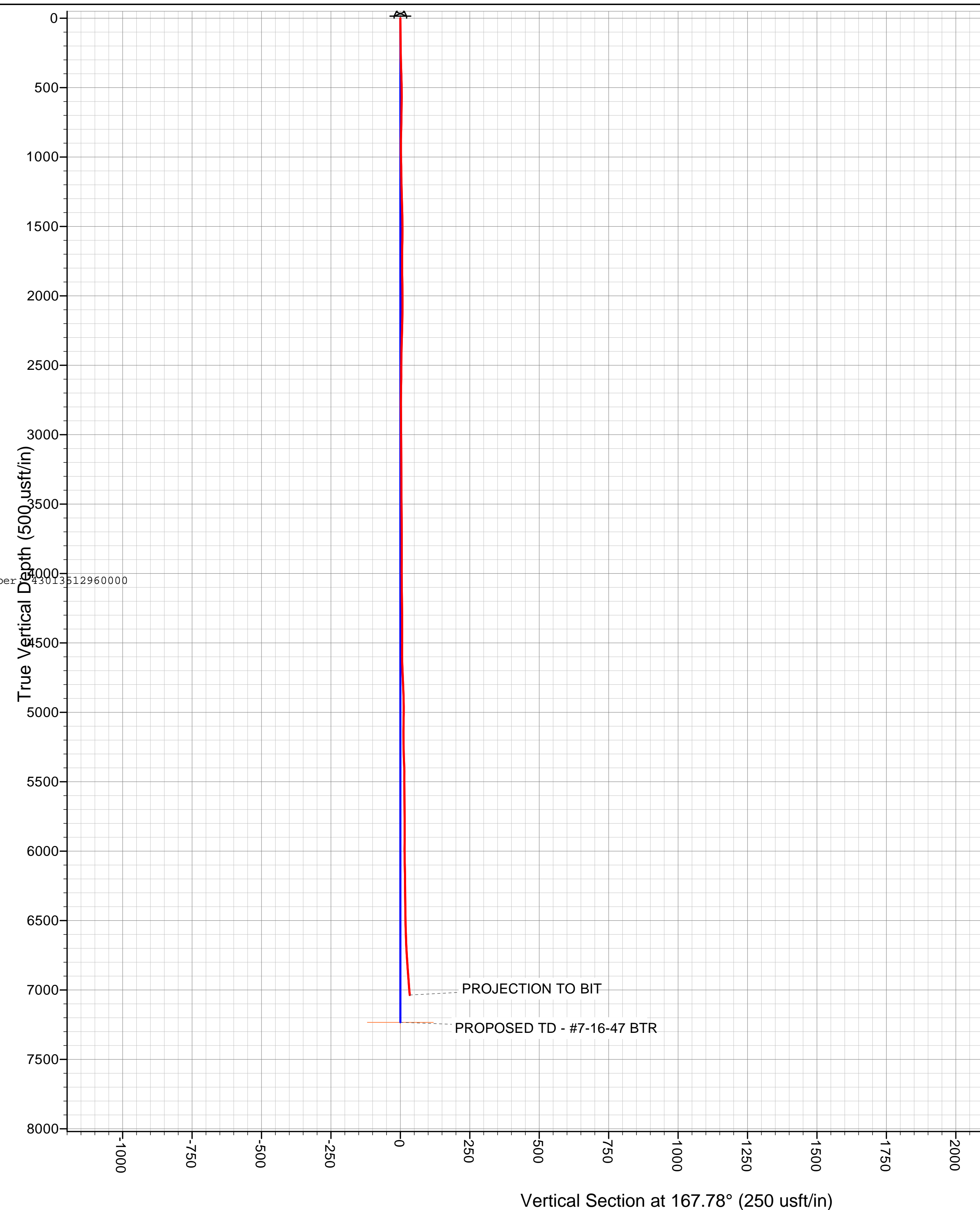
\*Depth intervals for frac information same as perforation record intervals.



Project: UTAH (DUCHESNE COUNTY - NAD 83)  
Site: SEC. 16 T4S R7W U.S.B. & M.  
Well: #7-16-47 BTR  
Wellbore: JOB #2009-170  
Design: FINAL SURVEYS



API Well Number: 200913512960000





## Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #7-16-47 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY - NAD 83)	<b>TVD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Site:</b>	SEC. 16 T4S R7W U.S.B. & M.	<b>MD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Well:</b>	#7-16-47 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB #2009-170	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	UTAH (DUCHESNE COUNTY - NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

Site		SEC. 16 T4S R7W U.S.B. & M.			
Site Position:		Northing:	7,218,706.05 usft	Latitude:	40° 8' 3.530 N
From:	Lat/Long	Easting:	1,870,407.95 usft	Longitude:	110° 40' 38.579 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.53 °

Well		#7-16-47 BTR				
Well Position	+N/-S	0.0 usft	Northing:	7,218,706.05 usft	Latitude:	40° 8' 3.530 N
	+E/-W	0.0 usft	Easting:	1,870,407.95 usft	Longitude:	110° 40' 38.579 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,054.0 usft

<b>Wellbore</b>	JOB #2009-170				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	25/03/2013	11.35	65.70	52,052

Design	FINAL SURVEYS				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	167.78	

<b>Survey Program</b>	<b>Date</b>	01/04/2013		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
111.0	7,037.0	FINAL SURVEYS (JOB #2009-170)	MWD	MWD - Standard

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>Subsea Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>
0.0	0.00	0.00	0.0	6,074.0	0.0	0.0	0.0	0.00	0.00	0.00
111.0	0.31	135.28	111.0	5,963.0	-0.2	0.2	0.3	0.28	0.28	0.00
203.0	0.40	168.76	203.0	5,871.0	-0.7	0.4	0.8	0.24	0.10	36.39
296.0	0.70	181.15	296.0	5,778.0	-1.6	0.5	1.7	0.35	0.32	13.32
386.0	0.83	154.61	386.0	5,688.0	-2.7	0.8	2.8	0.41	0.14	-29.49
476.0	0.97	177.55	476.0	5,598.0	-4.1	1.1	4.2	0.43	0.16	25.49
568.0	0.13	84.83	568.0	5,506.0	-4.8	1.2	5.0	1.07	-0.91	-100.78
657.0	0.66	343.49	657.0	5,417.0	-4.3	1.2	4.5	0.78	0.60	-113.87
750.0	0.79	309.83	750.0	5,324.0	-3.4	0.5	3.5	0.47	0.14	-36.19
770.0	1.01	302.27	770.0	5,304.0	-3.2	0.3	3.2	1.25	1.10	-37.80
877.0	1.71	280.38	876.9	5,197.1	-2.5	-2.1	2.0	0.80	0.65	-20.46
972.0	0.70	194.51	971.9	5,102.1	-2.8	-3.6	1.9	1.90	-1.06	-90.39
1,067.0	0.74	218.42	1,066.9	5,007.1	-3.8	-4.2	2.8	0.32	0.04	25.17

## Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #7-16-47 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY - NAD 83)	<b>TVD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Site:</b>	SEC. 16 T4S R7W U.S.B. & M.	<b>MD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Well:</b>	#7-16-47 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB #2009-170	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,161.0	0.74	201.90	1,160.9	4,913.1	-4.8	-4.8	3.7	0.23	0.00	-17.57
1,256.0	0.48	159.88	1,255.9	4,818.1	-5.8	-4.9	4.6	0.53	-0.27	-44.23
1,352.0	1.32	200.84	1,351.9	4,722.1	-7.2	-5.1	5.9	1.05	0.87	42.67
1,447.0	0.70	132.81	1,446.9	4,627.1	-8.6	-5.1	7.3	1.31	-0.65	-71.61
1,541.0	0.66	18.03	1,540.9	4,533.1	-8.5	-4.5	7.3	1.22	-0.04	-122.11
1,636.0	0.62	40.44	1,635.9	4,438.1	-7.6	-4.0	6.6	0.27	-0.04	23.59
1,731.0	0.04	101.35	1,730.9	4,343.1	-7.2	-3.6	6.3	0.63	-0.61	64.12
1,825.0	0.18	113.92	1,824.9	4,249.1	-7.3	-3.4	6.4	0.15	0.15	13.37
1,921.0	0.97	191.53	1,920.9	4,153.1	-8.1	-3.5	7.2	0.99	0.82	80.84
2,016.0	0.92	52.57	2,015.8	4,058.2	-8.4	-3.0	7.6	1.86	-0.05	-146.27
2,110.0	0.40	44.13	2,109.8	3,964.2	-7.7	-2.2	7.1	0.56	-0.55	-8.98
2,204.0	0.18	2.47	2,203.8	3,870.2	-7.4	-2.0	6.8	0.31	-0.23	-44.32
2,298.0	1.45	0.01	2,297.8	3,776.2	-6.0	-2.0	5.5	1.35	1.35	-2.62
2,393.0	0.70	12.84	2,392.8	3,681.2	-4.3	-1.8	3.8	0.82	-0.79	13.51
2,488.0	0.31	249.45	2,487.8	3,586.2	-3.8	-1.9	3.3	0.96	-0.41	-129.88
2,583.0	0.31	17.06	2,582.8	3,491.2	-3.6	-2.1	3.1	0.59	0.00	134.33
2,678.0	0.70	322.13	2,677.8	3,396.2	-2.9	-2.4	2.3	0.61	0.41	-57.82
2,773.0	0.97	251.03	2,772.8	3,301.2	-2.7	-3.5	1.9	1.05	0.28	-74.84
2,869.0	0.22	242.20	2,868.8	3,205.2	-3.1	-4.4	2.1	0.78	-0.78	-9.20
2,964.0	0.66	111.28	2,963.8	3,110.2	-3.4	-4.1	2.4	0.86	0.46	-137.81
3,058.0	1.05	101.35	3,057.8	3,016.2	-3.7	-2.7	3.1	0.44	0.41	-10.56
3,153.0	0.35	359.13	3,152.8	2,921.2	-3.6	-1.9	3.1	1.24	-0.74	-107.60
3,245.0	0.62	226.42	3,244.8	2,829.2	-3.7	-2.3	3.1	0.97	0.29	-144.25
3,338.0	0.40	159.71	3,337.8	2,736.2	-4.3	-2.5	3.7	0.63	-0.24	-71.73
3,432.0	0.26	53.19	3,431.8	2,642.2	-4.5	-2.2	3.9	0.57	-0.15	-113.32
3,526.0	0.44	212.80	3,525.8	2,548.2	-4.7	-2.2	4.1	0.73	0.19	169.80
3,621.0	0.31	170.61	3,620.8	2,453.2	-5.2	-2.4	4.6	0.31	-0.14	-44.41
3,716.0	0.40	262.91	3,715.8	2,358.2	-5.5	-2.7	4.8	0.54	0.09	97.16
3,810.0	0.79	89.92	3,809.8	2,264.2	-5.6	-2.4	4.9	1.26	0.41	-184.03
3,905.0	0.31	44.13	3,904.8	2,169.2	-5.4	-1.5	4.9	0.65	-0.51	-48.20
4,000.0	0.48	91.95	3,999.8	2,074.2	-5.2	-1.0	4.9	0.37	0.18	50.34
4,095.0	1.49	73.75	4,094.7	1,979.3	-4.9	0.6	4.9	1.10	1.06	-19.16
4,190.0	1.19	142.13	4,189.7	1,884.3	-5.3	2.4	5.7	1.61	-0.32	71.98
4,285.0	1.05	272.91	4,284.7	1,789.3	-6.0	2.2	6.4	2.14	-0.15	137.66
4,380.0	1.76	248.74	4,379.7	1,694.3	-6.5	-0.1	6.4	0.96	0.75	-25.44
4,473.0	2.20	263.60	4,472.6	1,601.4	-7.2	-3.2	6.4	0.72	0.47	15.98
4,568.0	2.37	262.45	4,567.6	1,506.4	-7.7	-6.9	6.1	0.19	0.18	-1.21
4,661.0	1.20	193.20	4,660.5	1,413.5	-8.9	-9.1	6.8	2.41	-1.26	-74.46
4,756.0	2.07	125.17	4,755.5	1,318.5	-10.9	-7.9	9.0	2.07	0.92	-71.61
4,851.0	1.10	122.97	4,850.4	1,223.6	-12.4	-5.7	10.9	1.02	-1.02	-2.32
4,946.0	0.35	193.23	4,945.4	1,128.6	-13.1	-5.0	11.8	1.09	-0.79	73.96
5,042.0	1.05	56.35	5,041.4	1,032.6	-12.9	-4.4	11.7	1.38	0.73	-142.58
5,136.0	0.22	3.26	5,135.4	938.6	-12.3	-3.6	11.2	0.99	-0.88	-56.48
5,231.0	1.10	101.35	5,230.4	843.6	-12.3	-2.7	11.4	1.21	0.93	103.25
5,327.0	1.10	159.45	5,326.4	747.6	-13.3	-1.5	12.7	1.11	0.00	60.52
5,422.0	0.88	165.60	5,421.4	652.6	-14.9	-1.0	14.3	0.26	-0.23	6.47
5,517.0	0.53	15.74	5,516.4	557.6	-15.2	-0.7	14.7	1.44	-0.37	-157.75
5,611.0	0.31	112.42	5,610.4	463.6	-14.8	-0.3	14.4	0.69	-0.23	102.85
5,707.0	0.70	149.87	5,706.4	367.6	-15.4	0.2	15.1	0.51	0.41	39.01
5,801.0	0.53	46.07	5,800.4	273.6	-15.6	0.8	15.4	1.04	-0.18	-110.43
5,895.0	0.18	231.96	5,894.4	179.6	-15.4	1.0	15.3	0.75	-0.37	-185.22
5,988.0	0.48	61.80	5,987.4	86.6	-15.3	1.2	15.2	0.71	0.32	-182.97
6,081.0	0.66	158.13	6,080.4	-6.4	-15.6	1.8	15.7	0.92	0.19	103.58

## Survey Report



<b>Company:</b>	BILL BARRETT CORPORATION	<b>Local Co-ordinate Reference:</b>	Well #7-16-47 BTR
<b>Project:</b>	UTAH (DUCHESNE COUNTY - NAD 83)	<b>TVD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Site:</b>	SEC. 16 T4S R7W U.S.B. & M.	<b>MD Reference:</b>	KB @ 6074.0usft (SST 17)
<b>Well:</b>	#7-16-47 BTR	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB #2009-170	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,176.0	0.62	175.00	6,175.4	-101.4	-16.7	2.0	16.7	0.20	-0.04	17.76
6,270.0	0.09	300.60	6,269.4	-195.4	-17.1	2.0	17.2	0.72	-0.56	133.62
6,365.0	0.31	198.82	6,364.4	-290.4	-17.3	1.8	17.3	0.36	0.23	-107.14
6,461.0	0.66	168.66	6,460.4	-386.4	-18.1	1.9	18.1	0.44	0.36	-31.42
6,556.0	0.83	110.40	6,555.4	-481.4	-18.9	2.6	19.0	0.78	0.18	-61.33
6,651.0	1.23	167.88	6,650.3	-576.3	-20.1	3.5	20.4	1.11	0.42	60.51
6,745.0	1.67	160.85	6,744.3	-670.3	-22.4	4.1	22.8	0.50	0.47	-7.48
6,840.0	2.24	164.89	6,839.3	-765.3	-25.5	5.1	26.0	0.62	0.60	4.25
6,934.0	2.11	158.83	6,933.2	-859.2	-28.9	6.2	29.6	0.28	-0.14	-6.45
6,982.0	2.37	165.77	6,981.2	-907.2	-30.7	6.7	31.4	0.78	0.54	14.46
PROJECTION TO BIT										
7,037.0	2.67	173.72	7,036.1	-962.1	-33.1	7.2	33.8	0.84	0.55	14.45

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PROPOSED TD - #7-16	0.00	0.00	7,233.0	0.0	0.0	7,218,706.05	1,870,407.95	40° 8' 3.530 N	110° 40' 38.579 W
- survey misses target center by 199.8usft at 7037.0usft MD (7036.1 TVD, -33.1 N, 7.2 E)									
- Rectangle (sides W200.0 H200.0 D0.0)									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
7,037.0	7,036.1	-33.1	7.2	PROJECTION TO BIT	

Checked By: _____	Approved By: _____	Date: _____
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**7-16-47 BTR 3/22/2013 18:00 - 3/23/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	2.00	20:00	1	RIGUP & TEARDOWN	PREP DERRICK TO SPLIT - R/D ELECTRICAL - DRAIN BOILER & R/D STEAM LINES
20:00	10.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/23/2013 06:00 - 3/24/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:00	12.50	19:30	1	RIGUP & TEARDOWN	R/D ELECTRICAL - MOVE BACK YARD & SET ON NEW LOCATION, REMOVE DERRICK BOARD, SPLIT DERRICK, R/D SOLIDS CONTROL EQUIPMENT, SET MATTING BOARDS & SKID RAILS, SET LOWER SUBS, R/U ELECTRICAL, RIG IS 95% MOVED & 50% RIGGED UP
19:30	10.50	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/24/2013 06:00 - 3/25/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:00	12.00	19:00	1	RIGUP & TEARDOWN	SET SUBS, PIN FROGS, SET DRAWWORKS, PREP DERRICK, PIN DERRICK, PREP DERRICK TO RAISE, SLIP & CUT 200' DAMAGED DRILL LINE, SPOOL UP DRAWWORKS, RAISE DERRICK, R/U ELECTRICAL, SET & R/U SOLIDS CONTROL EQUIPMENT, R/U MUD TANKS, R/U BOILER & STEAM LINES, SET 400BBLs UPRIGHTS, SET CEMENT BULK TANKS - MOVE & SET CAMPS - RIG IS 100% MOVED & 90% RIGGED UP
19:00	11.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT

**7-16-47 BTR 3/25/2013 06:00 - 3/26/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	R/U ELECTRICAL - P/U TOP DRIVE & R/U IN DERRICK - R/U FLOOR, WIND WALLS, MUD TANKS, MUD PUMPS, WATER LINES, FILL TANKS RIG BACK ON DAYWORK @ 1800 HRS
18:00	6.50	00:30	1	RIGUP & TEARDOWN	R/U CONDUCTOR, DRESS OUT SHAKERS, R/U GAS BUSTER, TEST MUD PUMPS
00:30	1.00	01:30	21	OPEN	SETUP PIPE RACKS & STRAP BHA
01:30	1.50	03:00	6	TRIPS	P/U MUD MOTOR - M/U BIT - P/U SHOCK SUB & REAMER - BUILD STAND OF 6" DCs TO USE FOR KELLY
03:00	0.50	03:30	2	DRILL ACTUAL	W/360 GPM, 25 RPM, 8K WT ON BIT, 100-250 DIFF PRESS, 2K TQ
03:30	1.00	04:30	1	RIGUP & TEARDOWN	STAND BACK 6" DCs - RE-SET CONDUCTOR AFTER PULLING OF DUE TO REAMER HANGING UP ON ROT HEAD CLAMP
04:30	1.50	06:00	20	DIRECTIONAL WORK	SCRIBE MOTOR - P/U MONELS, BUILD & INSTALL MWD TOOL ORIENT SAME - P/U GAP SUB & SECOND MONEL

**7-16-47 BTR 3/26/2013 06:00 - 3/27/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	W/600 GPM, 45 RPM, 18K WT ON BIT, 250-350 DIFF PRESS, 7K TQ
16:30	0.50	17:00	5	COND MUD & CIRC	CIRC PUMP 2 HIGH VIS SWEEPS
17:00	1.00	18:00	6	TRIPS	WIPER TRIP F/835' T/250'
18:00	0.50	18:30	5	COND MUD & CIRC	PUMP 2 HIGH VIS SWEEPS
18:30	1.50	20:00	6	TRIPS	T.O.O.H. F/835 T/114' - L/D REAMERS & 8" DCs
20:00	1.50	21:30	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT & L/D MUD MOTOR

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
21:30	3.00	00:30	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN 19 JOINTS 9 5/8 36# J-55 CSG WITH 6 CENTRALIZERS - CSG SET @ 825'
00:30	1.50	02:00	5	COND MUD & CIRC	CIRC - LOST RETURNS - PUMP TWO 40 BBLS (20%) LCM SWEEPS UNABLE TO GET RETURNS BACK
02:00	1.50	03:30	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS - TEST LINES @ 1000 PSI, PUMP 10 BBLS WATER, 40 BBLS SUPER FLUSH, 10 BBLS WATER, 87.6 BBLS 370 SKS 14.8 PPG 1.33 YIELD TAIL CEMENT MIXED @ 6.31 GAL/SK, SHUT DOWN DROP PLUG & DISPLACE WITH 60.1 BBLS WATER, BUMP PLUG & PRESSURE 500 PSI OVER TO(600 PSI) FLOATS HELD GOT RETURNS 5 BBLS INTO CEMENT (LOST RETURNS 30 BBLS INTO CEMENT)
03:30	1.50	05:00	13	WAIT ON CEMENT	W.O.C.
05:00	1.00	06:00	12	RUN CASING & CEMENT	PUMP 41 BBLS, 200 SKS 15.6 PPG 1.17 YIELD TOP OUT CEMENT W/2%CaCl - TOP OF CEMENT AROUND 140'

**7-16-47 BTR 3/27/2013 06:00 - 3/28/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	13	WAIT ON CEMENT	WAIT ON CEMENT (CALLED OUT 300 MORE SACKS)
09:30	1.50	11:00	12	RUN CASING & CEMENT	PUMP 30 BBLS 190 SKS 15.6 PPG 1.17 YIELD TOP OUT CEMENT MIXED @ 5.02 GAL/SK - 10 BBLS CEMENT TO SURFACE
11:00	0.50	11:30	13	WAIT ON CEMENT	WOC
11:30	4.00	15:30	21	OPEN	CUT OFF CSG & WELD ON WELL HEAD
15:30	2.50	18:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP
18:00	4.00	22:00	15	TEST B.O.P	R/U B&C QUICK TEST-TESTER (MIKE SHEA) & TEST BOP (FOSV, INSIDE BOP, LOWER KELLY VALVE, KILL LINE VALVES, CHECK VALVE, INSIDE & OUTSIDE CHOKE LINE & VALVES, PIPE RAMS, BLIND RAMS, HCR, ALL @ 10 MIN 5000 PSI HIGH 5MIN 250 PSI LOW, SUPER CHOKE & MANUAL CHOKE @ 5MIN 500 PSI, ANNULAR @ 10 MIN 2500 PSI HIGH 5 MIN 250 PSI LOW, CSG @ 30 MIN 1500 PSI - R/D TESTER
22:00	0.50	22:30	21	OPEN	SET WEAR BUSHING - CHANGE OUT GRABBER DIES - CHANGE OUT SAVER SUB
22:30	0.50	23:00	7	LUBRICATE RIG	RIG SERVICE - ADJUST TOP DRIVE TRACK
23:00	1.50	00:30	20	DIRECTIONAL WORK	P/U MUD MOTOR - M/U BIT - P/U DIR TOOLS LOAD MWD TOOL & OREINT SAME
00:30	0.50	01:00	6	TRIPS	T.I.H. F/109' T/770'
01:00	1.00	02:00	2	DRILL ACTUAL	DRILL CEMENT FLOAT & SHOE W/320 GPM, 25 RPM & 10K WT ON BIT
02:00	0.50	02:30	2	DRILL ACTUAL	W/350 GPM, 30 RPM, 10K WT ON BIT, 150 DIFF PRESS, 2K TQ
02:30	1.50	04:00	21	OPEN	PERFORM 10.5 PPG EMW TEST @ 855' W/8.7 PPG MW - SPOT15% LCM PILL CLOSE ANNULAR & ATTEMPT TO PRESSURE UP TO 80 PSI PRESSURE LEAKING OFF - CHECK SURFACE LINES & BOP - CIRC SPOT 25% LCM PILL CLOSE ANNULAR & PRESSURE UP TO 80 PSI PRESSURE DROPPED TO 62 PSI (10.1 PPG MW)
04:00	2.00	06:00	2	DRILL ACTUAL	W/570 GPM, 50 RPM, 16K WT ON BIT, 100-300 DIFF PRES, 4K TQ

**7-16-47 BTR 3/28/2013 06:00 - 3/29/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	2	DRILL ACTUAL	W/570 GPM, 50 RPM, 17K WT ON BIT, 150-200 DIFF PRESS, 4K TQ
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE
12:00	18.00	06:00	2	DRILL ACTUAL	W/570 GPM, 55 RPM, 20K WT ON BIT, 100-250 DIFF PRESS, 7K TQ

**7-16-47 BTR 3/29/2013 06:00 - 3/30/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	W/ 570 GPM, 50 RPM, 21K WT ON BIT, 200-350 DIFF PRESS, 8K TQ
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE
08:30	10.00	18:30	2	DRILL ACTUAL	W/420 GPM, 50 RPM, 21K WT ON BIT 200-350 DIFF PRESS, 9K TQ - SHAKERS BYPASSED @ 4200' - LCM CONTENT 15%

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:30	1.00	19:30	5	COND MUD & CIRC	LOST RETURNS - BUILD VOLUME & BRING UP LCM CONTENT TO 25%
19:30	8.50	04:00	2	DRILL ACTUAL	W/420 GPM, 50 RPM, 21K WT ON BIT, 150- 300 DIFF PRESS, 9K TQ
04:00	2.00	06:00	5	COND MUD & CIRC	LOST RETURNS @ 5193' SPOT 35% LCM PILL, PULL 5 STANDS & LET PILL SOAK - BUILD VOLUME

**7-16-47 BTR 3/30/2013 06:00 - 3/31/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	5	COND MUD & CIRC	BUILD VOLUME RAISE LCM CONTENT TO 35%
07:30	1.00	08:30	6	TRIPS	T.I.H. BREAK CIRC EVERY 100' - STILL LOSING 60 BBLS HR - SPOT 45% LCM PILL
08:30	0.50	09:00	6	TRIPS	T.O.O.H. 10 STANDS - LET PILL SOAK - BUILD VOLUME
09:00	1.50	10:30	5	COND MUD & CIRC	BUILD VOLUME - LET PILL SOAK - BREAK CIRC
10:30	1.50	12:00	6	TRIPS	T.I.H. BREAK CIRC EVRY 300' - LOSSES STOPPPED
12:00	2.00	14:00	2	DRILL ACTUAL	W/390 GPM, 45 RPM, 21K WT ON BIT, 200-350 DIFF PRESS - 9K TQ
14:00	0.50	14:30	7	LUBRICATE RIG	RIG SERVICE
14:30	15.50	06:00	2	DRILL ACTUAL	W/450 GPM, 55 RPM, 24K WT ON BIT, 200-400 DIFF PRESS, 10K TQ

**7-16-47 BTR 3/31/2013 06:00 - 4/1/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	2	DRILL ACTUAL	W/ 450 GPM, 55 RPM, 24K WT ON BIT, 200-350 DIFF PRESS, 11K TQ
10:30	0.50	11:00	7	LUBRICATE RIG	RIG SERVICE
11:00	7.00	18:00	2	DRILL ACTUAL	W/450 GPM, 50 RPM, 26K WT ON BIT, 250-350 DIFF PRESS, 13K TQ
18:00	1.00	19:00	5	COND MUD & CIRC	CIRC - PUMP 2 HIGH VIS SWEEPS
19:00	5.00	00:00	6	TRIPS	WIPER TRIP F/7037' T/807' (SLM +1.6')
00:00	1.00	01:00	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP
01:00	2.50	03:30	6	TRIPS	T.O.O.H. F/7037' T/114'
03:30	0.50	04:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT - L/D MUD MOTOR
04:00	2.00	06:00	11	WIRELINE LOGS	S/M - R/U LOGGERS & LOG

**7-16-47 BTR 4/1/2013 06:00 - 4/2/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	11	WIRELINE LOGS	LOGGING - LOGGERS DEPTH=7036' - R/D LOGGERS
10:00	3.00	13:00	6	TRIPS	T.I.H. F/O' T/7037'
13:00	1.50	14:30	5	COND MUD & CIRC	CIRC B/U - R/U L/D TRUCK
14:30	4.50	19:00	6	TRIPS	L/D DP, HWDP, & DCs
19:00	0.50	19:30	21	OPEN	PULL WEAR BUSHING
19:30	7.00	02:30	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN 158 JOINTS 5.5" 17# P-110 CSG WITH 68 CENTRALIZERS & 3 MARKER JOINTS - CSG SET @ 7027' - BREAK CIRC EVERY 1500'
02:30	1.50	04:00	5	COND MUD & CIRC	CIRC B/U
04:00	2.00	06:00	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS, TEST LINES @ 5000 PSI, PUMP 10 BBLS WATER, 40 BBLS SUPER FLUSH, 10 BBLS WATER, 208.6 BBLS 505 SKS 10.9 PPG 2.32 YIELD LEAD CEMENT MIXED @ 10.61 GAL/SK, 165.5 BBLS 650 SKS 13.5 PPG 1.43 YIELD TAIL CEMENT MIXED @ 6.65 GAL/SK,

**7-16-47 BTR 4/2/2013 06:00 - 4/2/2013 12:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	WASH LINES DROP PLUG & DISPLACE WITH 161 BBLS CLAY-WEB WATER - BUMP PLUG & PRESSURE UP 500 PSI OVER TO 2200 PSI - FLOATS HELD - LOST RETURNS 87 BBLS INTO DISPLACMENT - R/D CEMENTERS
07:00	2.00	09:00	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	0.50	09:30	21	OPEN	SET CASING SLIPS & 155K - CUT OFF CSG & INSTALL NIGHT CAP
09:30	2.50	12:00	21	OPEN	CLEAN MUD TANKS - START RIGGING DOWN - RIG RELEASED @ 1200 4/2/13

**7-16-47 BTR 4/5/2013 06:00 - 4/6/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	CHECK PRESSURES. ND 11" NIGHT CAP. MAKE FINAL CUT ON 5-1/2" CSG. INSTALL 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. INSTALL 7" NIGHT CAP.

**7-16-47 BTR 4/10/2013 06:00 - 4/11/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
08:00	1.50	09:30	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.
09:30	4.50	14:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,914', Drilling Report Shows FC At 6,935', 21' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,914', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 04-01-2013. Run Repeat Section From 6,914 - 6,600', Log Up Hole. Showed Good/Great Bond From TD To 4,200, 4,200 - 3,977' Ratty. TOC 3,977'. Found Short Joints At 6,144 - 6,166', 5,357 - 5,379' And 4,169 - 4,186'. Ran With Pressure. Pooh, RD Equipment, MOL.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

**7-16-47 BTR 5/12/2013 06:00 - 5/13/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test. Set Frac Tree, Test. Plumb In Flowback, Test.

**7-16-47 BTR 5/14/2013 06:00 - 5/15/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat KCL Tanks. HES Set Manifold And Mover. Prep For Frac.

**7-16-47 BTR 5/15/2013 06:00 - 5/16/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL.
07:00	2.00	09:00	SRIG	Rig Up/Down	JSA. CHECK PRESSURE. RU SLB CRANE AND EQUIP.
09:00	1.00	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WELL W/ 0 PSI. RIH AND PERF CR-6, CR-5, AND CR-4 FORM 6602'-6868' W/ 48 HOLES IN 16' NET. POOH AND VERIFY ALL PERFS SHOT. SHUT WELL IN.
10:00	6.00	16:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

**7-16-47 BTR 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	GOP	General Operations	AOL 04:00. RUN QC. PRIME UP CHEMS AND PUMPS.





# Bill Barrett Corporation

## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	SMTG	Safety Meeting	SAFETY MTG-- RED ZONE. TRAFFIC. SMOKING, CONGESTED WORK AREAS.
06:00	0.34	06:20	FRAC	Frac. Job	<p>FRAC STG #1- CR-4, CR-5, AND CR-6 PERFS 6602'-6868' 48 HOLES IN 16' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 468 PSI AT 05:13. BREAK DOWN 2774 PSI AT 8.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 96 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1956 PSI. FLUSH W/ 6446 GAL. 30.2 BPM AT 2777 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 3419 PSI. ISIP 1589. FG .67. PERFS OPEN 33/48. CONT FR PAD. 69.8 BPM AT 3227 PSI. STAGE HYBOR PAD 70.2 BPM AT 3528 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.8 BPM AT 3432 PSI. ON PERFS 70.1 BPM AT 3062 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.2 BPM AT 2989 PSI. ON PERFS 71.1 BPM AT 2782 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.7 BPM AT 2634 PSI. ON PERFS 70.9 BPM AT 2569 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.8 BPM AT 2559 PSI. ON PERFS 71.2 BPM AT 2579 PSI. FLUSH 71.0 BPM AT 2875 PSI. WSI WITH 1671 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1687                      FG .69  MAX RATE 71.6 BPM              MAX PRES 3538 PSI  AVE RATE 70.6 BPM              AVE PRES 2811 PSI  PMP 135,300 LBS 20/40 WHITE.      250 LBS SCALE SORB 3  SLK WTR 57,683 GAL              20# HYBOR G (16) 56,109 GAL  TOTAL CLEAN 117,722 GAL              BWTR 2803 BBLS</p>
06:20	1.34	07:40	PFRT	Perforating	<p>PERF STG #2- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 2 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6144'-6166'. RUN DOWN AND SET CBP AT 6596' WITH 1500 PSI. PULL UP AND PERF CR-4 FORM 6327'-6581' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 700 PSI.</p>
07:40	1.16	08:50	FRAC	Frac. Job	<p>FRAC STG #2- CR-4 PERFS 6327'-6581' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 217 PSI AT 07:41. BREAK DOWN 2793 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1894 PSI. FLUSH W/ 6178 GAL. 30.1 BPM AT 2525 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3407 PSI. ISIP 1575. FG .68. PERFS OPEN 33/45. CONT FR PAD. 70.7 BPM AT 3337 PSI. STAGE HYBOR PAD 70.2 BPM AT 3432 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.0 BPM AT 3326 PSI. ON PERFS 70.1 BPM AT 3115 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2821 PSI. ON PERFS 70.3 BPM AT 2575 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2427 PSI. ON PERFS 70.3 BPM AT 2380 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2374 PSI. ON PERFS 70.2 BPM AT 2440 PSI. FLUSH 71.0 BPM AT 2440 PSI. WSI WITH 1675 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1687                      FG .70  MAX RATE 71.0 BPM              MAX PRES 3437 PSI  AVE RATE 70.5 BPM              AVE PRES 2593 PSI  PMP 150,100 LBS 20/40 WHITE.      250 LBS SCALE SORB 3  SLK WTR 61,896 GAL              20# HYBOR G (16) 62,501 GAL  TOTAL CLEAN 128,306 GAL              BWTR 3055 BBLS</p>
08:50	1.25	10:05	PFRT	Perforating	<p>PERF STG #3- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 3 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6144'-6166'. RUN DOWN AND SET CBP AT 6314' WITH 1500 PSI. PULL UP AND PERF CR-3 AND CR-4 FORM 6006'-6294' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 250 PSI.</p>



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
10:05	1.16	11:15	FRAC	Frac. Job	<p>FRAC STG #3- CR-3 AND CR-4 PERFS 6006'-6294' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 189 PSI AT 10:07. BREAK DOWN 2724 PSI AT 9.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2328 PSI. FLUSH W/ 5864 GAL. 30.1 BPM AT 3234 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 3413 PSI. ISIP 1552. FG .69. PERFS OPEN 32/45. CONT FR PAD. 70.5 BPM AT 3230 PSI. STAGE HYBOR PAD 70.0 BPM AT 3218 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.9 BPM AT 3215 PSI. ON PERFS 70.1 BPM AT 2910 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.0 BPM AT 2778 PSI. ON PERFS 70.1 BPM AT 2548 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2469 PSI. ON PERFS 70.2 BPM AT 2437 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.2 BPM AT 2448 PSI. ON PERFS 70.2 BPM AT 2439 PSI. FLUSH 70.6 BPM AT 3061 PSI. WSI WITH 1700 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1686                      FG .71  MAX RATE 70.6 BPM            MAX PRES 3419 PSI  AVE RATE 70.1 BPM            AVE PRES 2611 PSI  PMP 150,200 LBS 20/40 WHITE.    250 LBS SCALE SORB 3  SLK WTR 61,290 GAL            20# HYBOR G (16) 62,570 GAL  TOTAL CLEAN 127,746 GAL        BWTR 3041 BBLs</p>
11:15	1.17	12:25	PFRT	Perforating	<p>PERF STG #4- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 4 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'. RUN DOWN AND SET CBP AT 5999' WITH 1500 PSI. PULL UP AND PERF CR-2 AND CR-3 FORM 5756'-5979' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1450 PSI.</p>
12:25	1.17	13:35	FRAC	Frac. Job	<p>FRAC STG #4- CR-2 AND CR-3 PERFS 5756'-5979' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 1379 PSI AT 12:28. BREAK DOWN 2447 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1688 PSI. FLUSH W/ 5620 GAL. 29.9 BPM AT 2463 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3108 PSI. ISIP 1584. FG .71. PERFS OPEN 37/45. CONT FR PAD. 70.5 BPM AT 2926 PSI. STAGE HYBOR PAD 70.1 BPM AT 3025 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.0 BPM AT 3012 PSI. ON PERFS 70.0 BPM AT 2796 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2706 PSI. ON PERFS 70.2 BPM AT 2505 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2428 PSI. ON PERFS 70.3 BPM AT 2389 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.1 BPM AT 2400 PSI. ON PERFS 70.1 BPM AT 2362 PSI. FLUSH 70.9 BPM AT 3037 PSI. WSI WITH 1800 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1845                      FG .75  MAX RATE 70.6 BPM            MAX PRES 3052 PSI  AVE RATE 70.2 BPM            AVE PRES 2529 PSI  PMP 150,200 LBS 20/40 WHITE.    250 LBS SCALE SORB 3  SLK WTR 60,855 GAL            20# HYBOR G (16) 62,542 GAL  TOTAL CLEAN 127,312 GAL        BWTR 3031 BBLs</p>
13:35	1.17	14:45	PFRT	Perforating	<p>PERF STG #5- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 5 INTO LUB AND EQUALIZE 1600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'. RUN DOWN AND SET CBP AT 5752' WITH 1500 PSI. PULL UP AND PERF WASATCH AND CR-2 FORM 5507'-5732' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1500 PSI.</p>

Start Time	Dur (hr)	End Time	Code	Category	Com
14:45	1.25	16:00	FRAC	Frac. Job	<p>FRAC STG #5- WASATCH AND CR-2 PERFS 5507'-5732' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 9200 PSI.  OPEN WELL W/ 1465 PSI AT 14:46  BREAK DOWN 2913 PSI AT 9.4 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1705 PSI.  FLUSH W/ 5377 GAL. 30.4 BPM AT 2400 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 2929 PSI. ISIP 1516. FG .71.  PERFS OPEN 38/45.  CONT FR PAD. 70.5 BPM AT 2759 PSI.  STAGE TO .75 PPA 100 MESH. 70.1 BPM AT 2880 PSI. IN PERFS 70.2 BPM AT 2824 PSI.  STAGE TO 1 PPA 20/40 WHITE. 70.1 BPM AT 2769 PSI, ON PERFS 70.1 BPM AT 2717 PSI.  STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2606 PSI. ON PERFS 70.1 BPM AT 2510 PSI.  STAGE TO 3 PPA 20/40 WHITE. 70.1 BPM AT 2361 PSI. ON PERFS 70.1 BPM AT 2333 PSI.  STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2299 PSI. ON PERFS 70.3 BPM AT 2317 PSI.  STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2288 PSI. ON PERFS 70.2 BPM AT 2237 PSI.  FLUSH 70.6 BPM AT 2640 PSI.  WSI WITH 1500 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div> ISDP 1591  MAX RATE 70.8 BPM  AVE RATE 70.2 BPM  PMP 13,200 LBS 100 MESH  TOT 163,800 LBS PROP  SLK WTR 60,307 GAL  TOTAL CLEAN 136,916 GAL </div> <div> FG .72  MAX PRES 2883 PSI  AVE PRES 2512 PSI  150,200 LBS 20/40 WHITE.  250 LBS SCALE SORB 3  20# HYBOR G (16) 72,698 GAL  BWTR 3260 BBLS </div> </div>
16:00	1.50	17:30	PFRT	Perforating	<p>PERF STG #6- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 6 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5357'-5380'.  RUN DOWN AND SET CBP AT 5480' WITH 1500 PSI. PULL UP AND PERF CR-1, CR-1A, AND WASATCH FORM 5263'-5460' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL FOR NIGHT.</p>

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL AT 06:00. STRAP TANKS. RUN QC ON FLUIDS. PRIME UP CHEMS AND PUMPS. HSM- RED ZONE, HIGH PRESSURES, OVERHEAD LIFTS, PPE, EXPLOSIVES, WORK AREAS, AND SMOKING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.17	08:10	FRAC	Frac. Job	<p>FRAC STG #6- CR-1, CF-1A, AND WASATCH PERFS 5263'-5460' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 9200 PSI.  OPEN WELL W/ 1225 PSI AT 06:58  BREAK DOWN 2339 PSI AT 9.2 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1480 PSI.  FLUSH W/ 5139 GAL. 30.0 BPM AT 1986 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2775 PSI. ISIP 1413. FG .70.  PERFS OPEN 38/45.  CONT FR PAD. 70.4 BPM AT 2732 PSI.  STAGE TO .75 PPA 100 MESH. 70.3 BPM AT 2618 PSI. IN PERFS 70.3 BPM AT 2632 PSI.  STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 2654 PSI, ON PERFS 70.2 BPM AT 2594 PSI.  STAGE TO 2 PPA 20/40 WHITE. 70.2 BPM AT 2577 PSI. ON PERFS 70.3 BPM AT 2416 PSI.  STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2322 PSI. ON PERFS 70.2 BPM AT 2238 PSI.  STAGE TO 3.5 PPA 20/40 WHITE. 70.2 BPM AT 2197 PSI. ON PERFS 70.3 BPM AT 2174 PSI.  STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 2140 PSI. ON PERFS 70.2 BPM AT 2124 PSI.  FLUSH 70.6 BPM AT 2452 PSI.  WSI WITH 1550 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1613  MAX RATE 70.7 BPM  AVE RATE 70.2 BPM  PMP 13,530 LBS 100 MESH  TOT 163,500 LBS PROP  SLK WTR 59,794 GAL  TOTAL CLEAN 136,310 GAL</p> <p>FG .74  MAX PRES 2745 PSI  AVE PRES 2386 PSI  149,970 LBS 20/40 WHITE.  250 LBS SCALE SORB 3  20# HYBOR G (16) 72,588 GAL  BWTR 3245 BBLS</p>
08:10	1.25	09:25	PFRT	Perforating	<p>PERF STG #7- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 7 INTO LUB AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 4169'-4187'.  RUN DOWN AND SET CBP AT 5257' WITH 1500 PSI. PULL UP AND PERF CASTLE  PEAK FORM 4941'-5237' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL  GUNS SHOT. TURN OVER TO HES WITH 1400 PSI.</p>

RECEIVED: Jun. 10, 2013

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:35	1.66	13:15	FRAC	Frac. Job	<p>FRAC STG #8- BLACK SHALE AND CASTLE PEAK PERFS 4628'-4894' 45 HOLES IN 15' NET.  PRESSURE TEST LINES TO 9200 PSI.  OPEN WELL W/ 122 PSI AT 11:56  BREAK DOWN 1821 PSI AT 4.2 BPM.  PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1381 PSI.  FLUSH W/ 4519 GAL. 30.2 BPM AT 2192 PSI. ATTEMPT BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3200 PSI. ISIP 1244. FG .70.  PERFS OPEN 30/45.  CONT FR PAD. 70.7 BPM AT 2681 PSI. (37/45 P/O)  STAGE TO .75 PPA 100 MESH. 70.3 BPM AT 2488 PSI. IN PERFS 70.3 BPM AT 2453 PSI.  STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 2533 PSI, ON PERFS 70.3 BPM AT 2488 PSI.  STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2456 PSI. ON PERFS 70.1 BPM AT 2310 PSI.  STAGE TO 3 PPA 20/40 WHITE. 70.2 BPM AT 2203 PSI. ON PERFS 70.2 BPM AT 2093 PSI.  STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 2025 PSI. ON PERFS 70.2 BPM AT 1993 PSI.  STAGE TO 4 PPA 20/40 WHITE. 70.2 BPM AT 1962 PSI. ON PERFS 70.2 BPM AT 1933 PSI.  FLUSH 70.3 BPM AT 2304 PSI.  WSI WITH 1400 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1384                      FG .73  MAX RATE 70.7 BPM              MAX PRES 2695 PSI  AVE RATE 70.2 BPM              AVE PRES 2232 PSI  PMP 12,170 LBS 100 MESH              134,190 LBS 20/40 WHITE.  TOT 146,360 LBS PROP              250 LBS SCALE SORB 3  SLK WTR 53,960 GAL              20# HYBOR G (16) 66,370 GAL  TOTAL CLEAN 124,237 GAL              BWTR 2958 BBLS</p>
13:15	0.75	14:00	WLWK	Wireline	<p>PU 5-1/2" EXELIS CBP AND SETTING TOOL. EQUALIZE 1200 PSI AND OPEN WELL.  RIH AND CORRELATE TO SJ AT 4169'-4187'. SET KILL PLUG AT 4578' W/ 1200 PSI.  BLEED OFF WELL AS POOH W/ SETTING TOOLS.</p>
14:00	2.00	16:00	SRIG	Rig Up/Down	RDMO HES AND SLB.
16:00	14.00	06:00	GOP	General Operations	MOVE TANK FOR RIG. STACK WTR AND MOVE OUT TANKS. WELL SHUT IN AND SECURE.

**7-16-47 BTR 5/18/2013 06:00 - 5/19/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	DUCHESNE	Black Tail Ridge	PRODUCING	7,037.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	0.50	07:30	SRIG	Rig Up/Down	R/D RIG ON 14-8D-36 BTR.
07:30	1.00	08:30	RMOV	Rig Move	ROAD RIG TO LOCATION.
08:30	1.00	09:30	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
09:30	2.00	11:30	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 230 JTS ON RACKS & TALLY TBG.
11:30	2.00	13:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & 2.31 XN- NIPPLE. RIH P/U 2-7/8 L-80 TBG TO KILL PLUG @ 4578'.
13:30	4.50	18:00	DOPG	Drill Out Plugs	<p>R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT &amp; BOPE TO 2500 PSI, HELD.</p> <p>D/O KILL PLUG @ 4578'. FCP- 1000 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 4894'. C/O SAND &amp; D/O CBP @ 4914'. FCP- 750 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 5240'. C/O SAND &amp; D/O CBP @ 5257'. FCP- 900 ON 28/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 5440'. C/O SAND &amp; D/O CBP @ 5480'. FCP- 600 ON 28/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. SDFN. EOT @ 5463'. TURN WELL OVER TO FLOW BACK. SDFN.</p>
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.

**7-16-47 BTR 5/19/2013 06:00 - 5/20/2013 06:00**

API/UWI	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,037.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	5.00	12:00	DOPG	Drill Out Plugs	FCP- 800 ON 24/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 5736'. BREAK CIRC. C/O SAND & D/O CBP @ 5752'. FCP- 800 ON 24/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 5964'. C/O SAND & D/O CBP @ 5999'. FCP- 800 ON 24/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 6298'. C/O SAND & D/O CBP @ 6314'. FCP- 800 ON 24/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 6585'. C/O SAND & D/O CBP @ 6596'. FCP- 750 ON 26/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 6873'. C/O TO FLOAT COLLAR @ 6934'. D/O F/C. C/O CMT TO 6997' PBTD. JT 219 ALL THE WAY IN. CIRC WELL CLEAN. PUMPED 350 BBLs TOTAL. R/D SWIVEL	
12:00	1.50	13:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 4547' & LAND TBG. 142 JTS TOTAL IN HOLE.	
13:30	1.50	15:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TO SALES LINE. TURN OVER TO FLOW BACK.	
15:00	2.00	17:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOL.STAGE RIG @ 5-4-45 BTR.. SDFN	
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. TBG FLOWING TO SALES. CREW TRAVEL.	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626559
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> STRAWBERRY
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>7/19/2013</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text" value="lease"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The tribal lease has been earned for this well. The new lease number is  
 14 20 H62 6559.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 April 02, 2015

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/1/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14 20 H62 6514
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-16-47 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2125 FNL 1835 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 16 Township: 04.0S Range: 07.0W Meridian: U		<b>9. API NUMBER:</b> 43013512960000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> STRAWBERRY
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>4/15/2015</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:
OTHER: <span style="border: 1px solid black; padding: 2px;">UPDATE LEASE NUMBER</span>				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 PLEASE CORRECT THE LEASE NUMBER ASSOCIATED WITH THIS WELL TO  
 14 20 H62 6514 INSTEAD OF 14 20 H62 6559

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 April 15, 2015

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/15/2015	

Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
RIG II, LLC N4055

3. ADDRESS OF OPERATOR:  
1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 PHONE NUMBER: (801) 683-4245

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: 11/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
801-683-4245  
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165  
Duane Zavala NAME (PLEASE PRINT)  
Duane Zavala SIGNATURE  
Senior Vice President -  
EH&S, Government and Regulatory Affairs

RIG II, LLC  
Jesse McSwain NAME (PLEASE PRINT)  
Jesse McSwain SIGNATURE  
Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager  
SIGNATURE Jesse McSwain DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

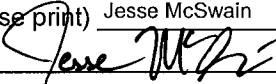
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

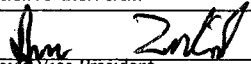
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

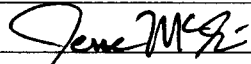
Well Name and Number <b>6-32-36 BTR SWD</b>	API Number <b>4301350921</b>
Location of Well  Footage : <b>1628 FNL 1553 FWL</b> County : <b>DUCHENSE</b>  QQ, Section, Township, Range: <b>SENW    32    3S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

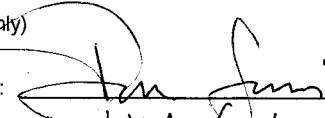
**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

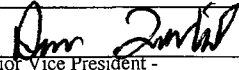
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

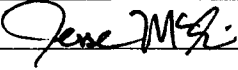
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION  
Address: 1099 18th Street Ste 2300  
city DENVER state CO zip 80202  
Phone: (303) 293-9100  
Comments:


Name: Duane Zavadii  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC  
Address: 1582 West 2600 South  
city Wood Cross state UT zip 84087  
Phone: (801) 683-4245  
Comments:

Name: Jesse McSwain  
Signature:   
Title: Manager  
Date: 10/20/16

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

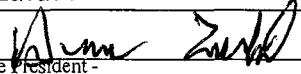
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

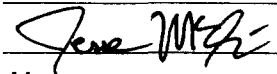
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

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city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

**NEW OPERATOR**

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Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*